CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 24	Salem, N. J.	Sept. 29
Oct. 24	Milwaukee, Wis.	Sept. 29
Oct. 26	Ashland, Ky.	Oct. 20
Oct. 27	Pawhuska, Okla.	Oct. 13
Oct. 28	Ypsilanti, Mich.	Oct. 20
Oct. 31	Dallas, Tex.	Oct. 13
Nov. 1	River Rouge, Mich.	Oct. 20
Nov. 7	Idlewood (Warrensville P. O.), O.	Oct. 20
Nov. 10	New York Adv. Oct. 6 and 20.	Oct. 6
Nov. 10	New Braunfels, Tex.	Oct. 13

SEWERS

Oct. 24	Milwaukee, Wis.	Oct. 20
Oct. 25	North Arlington, N. J.	Oct. 6
Oct. 26	New York, N. Y.	Oct. 20
Oct. 26	Long Island City, N. Y.	Oct. 20
Oct. 27	East San Diego, Cal. Adv. Oct. 6 and 20.	Oct. 6
Nov. 2	Monroe, La. Adv. Oct. 20.	Oct. 20
Nov. 8	London, Ont.	Oct. 13
Nov. 9	Reading, Pa.	Oct. 20
Nov. 15	Rutherford, N. J.	Oct. 20
Nov. 22	Wallington, N. J.	Oct. 20

BRIDGES

Oct. 24	New Gretna, N. J. Adv. Oct. 13 and 20.	Oct. 13
Oct. 25	Salina, Kan.	Oct. 6
Oct. 26	Mt. Ayr, Ia.	Oct. 20
Oct. 27	Grand Rapids, Mich. Adv. Oct. 13 and 20.	Oct. 13
Oct. 27	North Carolina	Oct. 20
Oct. 27	Las Animas, Col.	Oct. 20
Oct. 27	Neponset (Boston P. O.), Mass.	Oct. 20
Oct. 28	McRae, Ga.	Oct. 20
Nov. 15	Oklahoma City, Okla. Adv. Oct. 6 and 20.	Oct. 6
Nov. 18	Dayton, O.	Oct. 20

RAILWAYS

Nov. 9	New York	Oct. 20

EXCAVATION AND DREDGING

Oct. 21	Holton, Kan.	Oct. 13
Oct. 25	Austin, Minn.	Oct. 20
Oct. 25	Warren, Minn.	Oct. 13
Oct. 27	Gorham, Ill.	Oct. 13
Oct. 27	Valley, Ill. Adv. Oct. 6 and 20.	Oct. 13
Oct. 27	Tompkinsville, N. Y.	Oct. 20
Oct. 28	Cambridge, Minn.	Oct. 20
Nov. 5	Charleston, Mo.	Oct. 20
Dec. 1	Riverton, Wyo.	Oct. 20
Jan. 7	Duluth, Minn.	Oct. 13

STREETS AND ROADS

Oct. 24	Louisiana	Oct. 13
Oct. 24	Chicago, Ill.	Oct. 20
Oct. 24	St. George, S. I., N. Y.	Oct. 20
Oct. 25	Ohio	Oct. 20
Oct. 25	Massachusetts	Oct. 13
Oct. 25	Allenhurst, N. J. Adv. Oct. 20.	Oct. 20
Oct. 25	Cresco, Ia.	Oct. 20
Oct. 26	Alabama	Oct. 6
Oct. 26	Brooklyn, N. Y.	Oct. 20
Oct. 26	Mt. Ayr, Ia.	Oct. 20
Oct. 27	Brooklyn, N. Y.	Oct. 20
Oct. 28	Duluth, Minn.	Oct. 6
Oct. 31	Palestine, Tex.	Oct. 20
Oct. 31	California	Oct. 20
Oct. 31	Louisiana	Oct. 20
Oct. 31	New Jersey Adv. Oct. 13 and 20.	Oct. 20
Nov. 1	Lewisburg, W. Va.	Oct. 13
Nov. 1	La Grange, Tex.	Oct. 20
Nov. 2	New Mexico	Oct. 20

INDUSTRIAL WORKS

Oct. 25	Phila., Pa.	Oct 13
Oct. 25	St. Louis, Mo.	Oct. 20
Oct. 26	Salisbury, Mo.	Oct. 20
Oct. 27	Boston, Mass.	Oct. 20

BUILDINGS

Oct. 24	Cleveland, O.	Sept. 8
Oct. 24	Cincinnati, O.	Oct. 6
Oct. 24	Columbus, O.	Oct. 6
Oct. 24	Harrisburg, Pa.	Oct. 13
Oct. 24	Elyria, O.	Oct. 20
Oct. 24	New York, N. Y.	Oct. 20
Oct. 25	Harrisburg, Ill.	Oct. 13
Oct. 25	Mexico, Mo.	Oct. 20
Oct. 25	Martinsville, Ill.	Oct. 20
Oct. 25	Cisco, Tex.	Oct. 20
Oct. 25	Kansas City, Mo.	Oct. 20
Oct. 25	Raymond, Ill.	Oct. 20
Oct. 26	Wash., D. C.	Oct. 6
Oct. 26	Wash., D. C.	Oct. 13
Oct. 26	Palmyra, N. J.	Oct. 20
Oct. 27	Onondaga Valley, N. Y.	Oct. 20
Nov. 1	Santa Ana, Cal.	Oct. 6
Nov. 1	Elizabeth, N. J.	Oct. 13
Nov. 1	Bloomville, O.	Oct. 13
Nov. 1	Teaneck (Englewood P. O.) N. J. Adv. Oct. 20.	Oct. 20
Nov. 1	Rockton, Ill.	Oct. 20
Nov. 5	Peoria, Ill.	Oct. 13
Nov. 5	Peoria, Ill.	Oct. 20
Nov. 7	Bridgman, Mich.	Oct. 20
Nov. 8	Osawatomie, Kan.	Oct. 20
Dec. 20	Missoula, Mont.	Oct. 20
Dec. 20	Bozeman, Mont.	Oct. 20
Dec. 20	Butte, Mont.	Oct. 20
Jan. 15	Laramie, Wyo.	Sept. 29
Feb. 1	Williamsport, Pa.	Sept. 8

FEDERAL GOVERNMENT WORK

Oct. 25	Lumber—Memphis, Tenn.	Oct. 20
Oct. 26	Electric Cable System — Charleston, W. Va.	Oct. 13
Oct. 26	Rebuilding Boiler Setting—Bellevue, D. C.	Oct. 20
Oct. 26	Engine House—Cape Hatteras, N. C.	Oct. 20
Oct. 27	Millwork and Glazing—Prescott, Ariz.	Oct. 20
Oct. 28	Alterations to Post Office — Decatur, Ill.	Oct. 13
Oct. 31	Hospital — Ft. Bayard, N. M.	Oct. 13
Nov. 1	Piping, etc.—Chicago, Ill.	Oct. 20
Nov. 2	Quarters—Prescott, Ariz.	Oct. 13
Nov. 2	Remodeling Barracks—Mare Island, Cal.	Oct. 6
Nov. 3	Mess Hall — Tahlequah, Okla.	Oct. 20
Nov. 3	Mechanical Equipment — Ft. Bayard, N. M.	Oct. 20
Nov. 8	Tower and Tank—Cape Fear, N. C.	Oct. 20
Nov. 15	Monument — Plattsburg, N. Y. Adv. Oct. 20.	Oct. 20
Nov. 15	Vessel—St. Louis, Mo. Adv. Oct. 20.	Oct. 20
Nov. 22	Monument—Vergennes, Vt. Adv. Oct. 20.	Oct. 20
Dec. 7	Storehouse—Pearl Harbor, H. T. Adv. Oct. 13 and 20.	Oct. 6

MISCELLANEOUS

Oct. 22	Cut Stone—Wash., D. C. Adv. Sept. 29 to Oct. 20.	Sept. 29
Oct. 24	Broken Stone, etc.—New York N. Y.	Oct. 20
Oct. 25	Asphalt Cement, etc.—Nashville, Tenn.	Oct. 20
Oct. 25	Trestle and Bins—Washington, D. C.	Oct. 6
Oct. 25	Pipe Line—Okemah, Okla.	Oct. 20
Oct. 25	Wharf and Transit Shed — Houston, Tex.	Oct. 20
Oct. 26	North Bergen (Weehawken P. O.), N. J.	Oct. 20
Oct. 26	Jetty — New Westminster, B. C.	Sept. 29
Oct. 27	Coal Handling Apparatus, etc., Thiells, N. Y. Adv. Oct. 13 and 20.	Oct. 13
Nov. 11	Coal and Ash Handling Machinery and Equipment — Milwaukee, Wis. Adv. Oct. 20.	Oct. 20
Nov. 30	Stadium—Chicago, Ill. Adv. Oct. 20.	Oct. 20

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Syracuse—Common Council authorized $560,000 bond issue for 6 mi. (ultimately 29 mi.) 90 in. conduit to Skaneateles Lakes. Bids will probably be opened some time next month. H. A. Allen, city engr.

Ala., Troy—To vote Oct. 24 on $25,000 bonds waterworks. M. D. Pace, city engr.

O., Dayton — Comrs. Montgomery Co. plans c.i. mains and laterals for Fairview Water Supply System 1. $234,000. K. B Allen, 606 U. B. Bldg., engr.

Wis., Waupaca—Making plans for waterworks and open wells for main source supply. $20,000. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Kan., Sabetha—Making plans improving waterworks and laying new mains. $60,000. H. Darby, Sabetha, engr.

Tex., Edinburg—Soon take bids waterworks and electric light plant. H. E. Wilcox, city engr. Noted Oct. 13.

Tex., Wortham—To vote on $60,000 bonds waterworks. Address W. McGinn, secy. Chamber Commerce.

Okla., Marlow—Having plans prepared 4 mi. mains, 250,000 gal. reservoir, pumps and wells. $60,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Ont., Uxbridge—Plans waterworks. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Ky., Ashland—Oct. 26, by Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, 3,000,000 gal. filtration plant 500,000 gal. rein.-con. reservoir and timber room over same, laying 1 mi. 12 in. and 1½ mi. 6 and 8 in. ci. i. pipe here. $160,000. Former bids rejected. Noted Sept. 1.

O., Idlewood (Warrensville P. O.)—Nov. 7 for 6,320 ft. 4-12 in. c.i. mains. $43,553. F. A. Pease Eng. Co., Marshall Bldg, Cleveland, engrs.

Mich., River Rouge—Nov. 1, by G. Jerome, engr., 1331 Majestic Bldg., Detroit, 339 ft. brick, concrete or concrete segment block tunnel, 13 ft. in diam., two 71 ft. shafts, and water mains under River Rouge, 368,244 lb. 30 in. flanged pipe, 61,712 lb. 30 in. specials, 62,000 lb. reinforcing, 1,152 cu.yd. rein.-con., etc., $100,000.

Mich., Ypsilanti—Oct. 28, by City Clerk, 29 x 37 ft. brick and steel pumphouse, one 750 gal., one 1,000 gal. and one 1,500 gal. per minute pumps. Hoad & Decker, Ann Arbor, engrs.

Tex., Laredo—F. W. Malley, secy. Chamber Commerce, receiving bids, waterworks machinery, engines, pumping plants, pipelines, etc., for population of 22,710. C. Frees, city engr.

Que., Montreal—Chairman Administrative Comn. receiving bids centrifugal pump, open vertical impeller type.

N. Y., S. I., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, hauling and laying mains in Arrietta St., and along bulkhead wall from Arrietta St. to Clifton, from G. Troiano, 246 Bowery, New York, $16,080; J. Burns, 103 East 125th St., New York, $16,710; Daley Bros. & Co., $18,130. Noted Oct. 6.

Waterworks (Continued)

Minn., St. Paul—For 139 ton c.i. water pipe castings, c.i. gate valves and service connections for water dept., from Great Lakes Eng. Wks., River Rouge, Mich., $103 per ton net; Amer. Cast Iron Pipe Co., 2700 North 24th St., Birmingham, Ala., $16,530; St. Paul Fdry. Co., Como Ave. and Mackubin St., $16,592. Noted Sept. 29.

Wyo., Greybull—Elevated tank, 200,000 gal. capacity, 14,980 ft. 4 in., 4,420 ft. 6 in. 3,000 ft. 8 in., 5,630 ft. 2 in. mains, etc., from E. Lindstrom, Greybull, $69,358; E. Landers, Greybull, $71,100; Security Bridge Co., 502 North 32d St., Billings, Mont., $71,480. Noted Sept. 22.

Cal., Fullerton—Furnishing pipe for waterworks from San Francisco Steel Products Co., Balboa Bldg., San Francisco, $108,521, U. S. Cast Iron Pipe Co., Wright & Callender Bldg., Los Angeles, $115,285, Foundation Co., 423 Higgins Bldg., Los Angeles, $115,915; laying pipe from M. & F. Pipe Line Contg. Co., 534 Douglas Bldg., Los Angeles, $38,726, W. E. Hall, Los Angeles, $41,420, R. T. Shea & Co., Riverside, $41,651.

CONTRACTS AWARDED

N. Y., Buffalo—A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., 3 high pressure steam driven centrifugal pumps, Col. Francis Ward Pumping Station, to A. J. Abels Co., Inc., Iroquois Bldg., $20,870. Noted Aug. 18.

W. Va., Elkins—Pumping and filtration plant to Concrete Steel Bridge Co., Clarksburg, $57,135; filter and piping equipment, to New York Continental Jewell Co., Nutley, N. J., $18,100; pumps, motors, electrical equipment, De Laval pumps to Dravo-Doyal Co., Diamond Bank Bldg., Pittsburgh, Pa., $9,471; additions to reservoir, to F. Hammer & Co., Elkins, $4,965; laying mains to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $6,418; c.i. pipe and specials to United States Cast Iron Pipe Co., Oliver Bldg., Pittsburgh, Pa., $6,739; hydrants to Ludlow Valve Co., 1st Natl. Bank Bldg., Pittsburgh, Pa., valves to Rennsalear Valve Co., Oliver Bldg., Pittsburgh, Pa., $1,087. Noted Sept. 15.

Ill., Decatur—For 4-6 in. c.i. mains, to Manie & Dunbar, St. Louis, Mo., $26,000. Noted Oct. 6.

Ia., Dysart—For 9,934 ft. 4 in. c.i. mains, 2,850 castings, etc. to Sieg Constr. Co., Waterloo, $20,000. Noted Sept. 8.

Neb., Norfolk—For 4 and 6 in. c.i. pipe, 22 hydrants, 11 valves and 6,057 fittings, to Norfolk Bridge & Constr. Co., Norfolk, $25,338. Noted Sept. 29.

Sewers

PROPOSED WORK

N. J., Totowa (Paterson P. O.)—Making plans for sewerage system and disposal plant. H. J. Harder, 129 Market St., Paterson, engr.

N. C., Rocky Mount — See "Streets and Roads."

Mich., Oakwood—Voted $70,000 bonds extending sewerage system. H. L. Russell, 505 Moffat Bldg., Detroit, engr.

Mich., Springwells—Plans disposal plant and sewers in Schaeffer Rd., Freud, Southern, Mulkey and Thayer Aves., brick, concrete or segment block, $1,200,000. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, engr.

Ill., Champaign—Plans sewerage system. $200,000. F. C. Lohman, city engr.

Ill., Riverdale (Chicago P. O.)—Making plans sewerage system. $234,000. A. W. Hersey, Harvey, engr.

Wis., Bloomington—Making plans for 3½ mi. 6-8-12 in. vitr. sanitary and storm sewers and septic tank, etc. $35,000. W. G. Kirchoffer, Vroman Blk., Madison, engr. Noted July 14.

Wis., Cambria—Making surveys for sanitary and storm sewerage system. $25,000. W. G. Kirchoffer, Vroman Blk., Madison, engr. Noted Sept. 8.

Mo., Gallatin—Making surveys new sewerage system. C. E. Jacoby, Shukert Bldg., Kansas City, engr.

Tex., Jacksboro—Voted $65,000 bonds for sewerage system and $5,000 waterworks extensions. Machinery will be needed. Address Mayor.

Okla., Pauls Valley—Having plans prepared, 10-14 in. glazed tile storm sewers. $45,000. J. Bottoms, clk. V. V. **Long** & Co., Colcord Bldg., Oklahoma City, engrs. Noted Sept. 22.

Okla., Welch—Had preliminary plans prepared disposal plant and 5 mi. sewers. $50,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Col., Boulder—City Council opens bids about Oct. 29, 5 mi. 12-42 in. storm sewers, concrete pipe will be used above 24 in. $150,000. J. Randolph, city engr.

Cal., Los Angeles—Bd. Pub. Wks. opens bids in about 3 months, 5.17 mi. sewers in Madison Ave. from Temple St. to outlet south of Pico St. $2,500,000. J. T. Griffin, City Hall Annex, engr.

Ont., Ottawa—Plans sanitary sewer in Emmett St., $18,000, storm sewer in Harmer St., $50,000, 2½ mi. vitr. tile, 8 in. up. A. F. Macallum, city engr.

BIDS DESIRED

N. Y., Long Island City—Oct. 26, by M. E. Connolly, pres. Queens Boro, sewer in 13th Ave. from Jackson to Graham Aves., 1st Ward, Waldron St. (Lawn Ave.) from 51st St. to Alstyne Ave.; Van Dorn St. ((Hillside Ave.) from 51st to Martense Sts. (Shipoler Ave.); Orentes St. (Fairview Ave.) from Waldron to Van Doren Sts.; Martense St. from Waldron St. to Boyle Pl.; Lewis Ave. (Newins St.) from Waldron to 51st Sts.; Strong (Floyd) St. from Waldron St. to Corona Ave.; Radcliffe (Moore) St. from Waldron St. to Corona Ave., 2nd Ward.

N. Y., New York—Oct. 26, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., sewer in La Salle Ave. from Eastern Blvd. to Puritan Ave. and Crosby Ave. between adjoining sections of La Salle Ave. Former bids rejected. Noted Oct. 13.

N. J., Rutherford—Nov. 15, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, Sect. 25 Rutherford-Union Branch Intercepting Sewer, Lyndhurst Twp., here, 1,686 lin.ft. earth excav. and refilling, in trench, for 24 in. concrete sewer, 3,323 lin. ft. earth excav. and refilling, in trench, for 18 in. vitr. pipe sewer with concrete reinforcement, 750 cu.yd. concrete masonry, 6,000 lb. steel, etc. J. R. Van Duyne, ch. engr.

N. J., Wallington—Nov. 22, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, southerly portion Sect. 19, Garfield-Wallington-Passaic Branch Intercepting Sewer, here, alternate bids (1) tunnel method, 2,065 lin.ft. excav. in earth, rock, or earth and rock together, in compressed air tunnel, for 54 in. circular masonry sewer, 1,500 cu.yd. concrete masonry, etc.; (2) open trench method, 2,065 lin.ft. earth excav. and refilling in trench for 54 in. circular concrete sewer, 1,800 cu.yd. concrete masonry, etc. J. R. Van Duyne, ch. engr.

Pa., Reading—Nov. 9, 6 mi. pipe sewers and 3 mi. 5 in. connections. E. B. Ulrich, city engr.

La., Monroe — Nov. 2, (a) sanitary sewers, (b) storm sewers, (c) castings, (d) concrete pipe, (e) pumping station, R. S. Reynolds, city engr.; adv. this issue.

Mich., Ferndale—Oct. 24, by G. Jerome, engr., 1331 Majestic Bldg., 725 ton 6 in. and 125 ton 8 in. Class B, c.i. pipe; six 8 in. and eight 6 in. gates, 32 fire hydrants, Detroit Water Works type; six 6 in. gates, Detroit Fire Dept. type; laying 600 ton 6 in. and 100 ton 8 in. c.i. pipe. Noted Oct. 6.

Wis., Milwaukee—Oct. 24, by Dept. Pub. Wks., 1,435 lin.ft. 8-10 in. c.i. pipe, 10,091 ft. 8-10 in. sewer pipe, 44 manholes, etc., in various streets. Cost between $25,000 and $30,000. P. Braman, deputy comr.

BIDS RECEIVED

N. Y., S. I., St. George—C. D. Van Name, pres. Richmond Boro, temporary sanitary sewers in Clove Ave. from Staten Island Ry. to point about 60 ft. north of Fingerboard Rd., etc., from Gross Contg. Co., 233 Bway., New York, $40,785; J. Johnson Sons, $44,987; M. J. Simon, $48,624. Noted Oct. 13.

O., Cleveland—For 4,740 ft. 8-24 in. vitr. sewers in (1) Waterson Ave. from East 123d to East 121st Sts., (2) Dodge Court, (3) East 111th St., (4) Lardet Ave., from W. McDowell & Son, 10319 Miles Ave., (1) $17,435; Gallagher & Burke Constr. Co., 1339 Irene Ave., (1) $19,148; C. Hadded, West 104th St., (2) $2,082, (3) $5,211, (4) $4,883; Yahya Bros., 3539 Independence Rd., (2) $2,106, (4) $4,716; B. J. O'Connor, Union Ave., (3) $8,121.

O., Shaker Heights—For 5,700 ft. 8-15 in. vitr. sewers in Storer and Helen Aves. from Iafornaro Co., 2218 Murray Hill Rd., Cleveland, $26,015. Noted Sept. 22.

Wis., Milwaukee—Sewerage Comn., concrete foundation for 68 x 166 ft. boiler house, Jones Island, from G. E. Kahn, 114 Grand Ave., $15,900; R. G. Gumz, 831 13th Ave., $16,785; Dahlman Constr. Co., 456 Bway., $18,910. Noted Oct. 6.

CONTRACTS AWARDED

Ill., East St. Louis — Sewerage system in McKinley Pl., 6 and 8 in. vitr. clay pipe, to H. H. Hall & Co., East St. Louis, $26,475. Noted Sept. 29.

Wis., Port Washington—Lay 1.9 mi. 6 to in. sewers in Main St. and install disposal plant, by day labor. $25,000. Septic tank to J. Ubbink & Son, Port Washington. Noted Sept. 22.

Wis., Stevens Point—Building vitr. pipe sewers in 14 streets, to J. M. Donohue, College Ave., $27,044.

Kan., Lindsborg—Laying 8 in. glazed tile sewer pipe, to Amerman & Snyder, Wichita, $26,960. Noted Oct. 13.

S. D., Canton—Storm sewerage system, to Kruse Constr. Co., Spencer, Ia. $25,000. Noted Sept. 1.

Utah, Logan—For 49,300 ft. 2-21 in. vitr. sewers, to F. A. Dahle, 144 East 3rd St., N., $183,195.

Bridges

PROPOSED WORK

Pa., Lewistown—Nov. 8 to vote on $25,000 bonds for West Main St. Bridge, concrete, F. H. Shaw, Breneman Bldg., Harrisburg, engr.

North Carolina -State Hy. Dept., Raleigh, plans 864 ft. steel bridge over Haw River, 18 ft., State Project 664, Chatham Co. $60,000. C. M. Upham, state highway engr.

O., Piqua—Miami Co. (Troy) plans steel truss highway bridge, two 150 ft. spans, 24 ft., over Miami River, on Ash St. $125,000. W. S. Kinder, Troy, co. engr.

O., Shadesville — Comrs. Franklin Co. (Columbus) having estimates made and probably take bids in November, for 890 ft. concrete bridge, 9 arches, 24 ft. roadway, over Sciota River, here. C. C. Lattimer, Columbus, co. engr. Noted June 30.

Minn., Baudette—State Hy Comn., St. Paul, having plans prepared 500 ft. steel and concrete Bridge, 20 ft., over Baudette River on Trunk Highway 11, here. $90,000.

Wash, Newport—P. Young, et. al., Priest River, Idaho, having plans prepared and will take bids after first of year for 1100 ft. steel toll bridge over Pend O'Reillle River, here, 5 or 6 steel spans on concrete piers, frame approaches. $250,000. M. M. Caldwell of Union Bridge Co., Central Bldg., Seattle, engr.

BIDS DESIRED

Mass, Neponset (Boston, P. O.)—Oct. 27 by State Metropolitan Dist. Comn., Boston, 794 ft. highway bridge with bascule draw span, steel girder spans, 72 ft., over Neponset River. $450,000. J. R. Rablin, 18 Tremont St., engr.

North Carolina—Oct. 27, by State Hy. Comn., Raleigh, bridges and culverts on State Project 599, Green Co., 750 cu.yd. concrete, 71,000 lb. reinforcing, 600 ft. untreated timber piles, etc. $26,000. C. M. Upham, state highway engr.

Ga., McRae—Oct. 28, by Comrs. of Roads & Revenues, Telfair Co., 2 rein.-con. bridges, 7 rein.-con. culverts, near here, Route 27, Georgia Federal Aid Project 149, State Aid Project S-12-5. E. N. Parker, Dublin, engr.

O., Dayton—Nov. 18, Comrs. Montgomery Co. steel superstructure for two 150 ft. span truss highway bridge, 20 ft., known as Shepard Bridge, over Miami River, Miami Twp. $125,000. P. S. Bookwalter, co. surv.

Ia., Mt. Ayr—Oct. 26, by Auditor Ringgold Co., 37 box culverts and extensions, one 120 ft. and one 100 ft. through trusses, one 80 ft. pony truss. H. H. Howie, engr.

Minn., Kellogg—Oct. 26, by G. J. Ginther, aud. Wabasha Co., Bridge 3618, 600 ft. long, 20 ft., steel spans, concrete flooring, rein.-con. foundation, over Zumbro River, near here. $60,000. State Highway Dept., St. Paul, engrs.

Col., Las Animas—Oct. 27, by State Highway Dept., Denver, 4 span steel bridge over Arkansas River, near here, on State

Bridges (Continued)

Rd. 6, Federal Aid 169, Bent Co. $120,000. L. D. Blauvelt, State Museum Bldg., Denver, engr. Noted Aug. 4.

RECEIVED BIDS

N. Y., New York—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., vehicular roadway on easterly upper deck of Manhattan Bridge, from Vulcan Rail & Constr. Co., Grand St., Brooklyn, $259,600; McClintock-Marshall Co., 50 Church St., $289,000; Associated Contractors, Inc., $289,680. Noted Oct. 6.

Ohio—Dept. Hys. and Pub. Wks., Columbus, opened bids Oct. 14, bridges in following counties:

Cuyahoga Co., Sect. "J" Twinsburg-Elyria Rd., rein-con. bridge, over Chippewa Creek from Gedney, Cleveland, $24,463; Nelson & Kelly, West Park, $25,045; Swingle & Robinson, Columbus, $25,532.

Geauga Co., Sects. "v-a" and "W-1" Chagrin Falls-Greensville Rd., concrete substructure and steel superstructure, Harbaugh Constr. Co., 26 Cherry St., Akron, $12,228; Newhall Co., Cleveland, $13,579; Roberts, Youngstown, $13,627.

Seneca Co., Sect. "K" Tiffin-Republic Rd., concrete bridge, L. W. Dean, $2,730; W. A. Yeagle, Clyde, $2,796; H. A. McDonald, Norwalk, $2,378.

Wayne Co., Sect. "H" Columbus-Wooster Rd., steel bridge, Lodi Concrete Works, Lodi, $10,957; Perkins Steel Co., Wooster, $11,342; H. O. Putnam, Barberton, $11,523.

Williams Co., Sect. "C" Bryan-Edgerton Rd., new floor and repairing bridge, H. A. McDonald, Norwalk, $1,496; Charles Fox Brookville, $1,593; Zeller & Drum, Swanton, $1,695. Noted Sept. 29.

Florida—State Rd. Dept., Tallahassee, concrete culverts and bridges on (1) State Rd. 3, from De Leon Springs to Putnam Co. line, Volusia Co., (2) State Rd. 3, from Sisco to Volusia Co. line, Project 18, Putnam Co., from Luten Bridge Co., West Market St., York, Pa., (1) $26,219; Hyde & Baxter, 711-13 13th St. N. W., Wash., D. C., (1) $31,349, (2) $25,252; Austin Bros., 156 Greenwood Ave., Atlanta, Ga., (1) $36,354, (2) $26,508; Florida Eng. & Constr. Co., Oviedo, (2) $19,789. Noted Sept. 29.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, opened bids Oct. 4 for following bridges: (1) 2 concrete, Route 1, Sect. 7-B, Edwards Co., (2) 4 concrete, substructure for 1 steel, Route 1, Sect. 8-B, Edwards-Wabash Co., (3) 1 superstructure for steel, Route 1, Sect. 8-C, Edwards-Wabash Co., (4) 4 concrete and 1 steel, Route 1, Combination 31, Edwards-Wabash Co., (5) 2 concrete, Route 1, Sect. 10-B, Wabash Co., (6) 6 concrete and 1 substructure for steel span, Route 1, Combination 32, Edwards-Wabash Co., (7) 6 concrete and 1 steel, Route 1, Combination 33, Edwards-Wabash Co., (8) 3 concrete, Route 1, Sect. 18-B, Crawford Co., (9) 5 concrete, Route 1, Sect. 19-B, Crawford Co., (10) 8 concrete, Route 1, Combination 34, Crawford Co., (11) 1 concrete, Route 2, Sect. 1-B, Jackson Co., (12) 3 concrete, Route 2, Sect. 4-B, Jackson-Perry Co., (13) 4 concrete, Route 2, Combination 35, Jackson-Perry Co., (14) 1 concrete, Route 2, Sect. 6-B, Perry Co., (15) 1 concrete, Route 2, Sect. 7-B, Perry Co., (16) 2 concrete, Route 2, Combination 36, Perry Co., (17) 6 concrete, Route 2, Combination 37, Perry Co., (18) 1 concrete, Route 8, Sect. 6-B, Henderson Co., (19) substructure for steel span, Route 8, Sect. 11-B, Peoria Co., (20) superstructure for steel, Route 8, Sect. 11-C, Peoria Co., (21) 2 concrete, Route 1, Sect. 4-B, White Co., (22) 3 concrete, Route 1, Sect. 5-B, White Co., (23) 5 concrete, Route 1, Combination 30, White Co., (24) 5 concrete and substructure for steel span, Route 9, Sect. 4-B, Woodford Co., (25) 1 steel superstructure, Route 9, Sect. 4-C, Woodford Co., (26) 1 steel, Route 9, Combination 41, Woodford Co., (27) 1 concrete, Route 10, Sect. 11-B, Macon Co., (28) 5 concrete, Route 15, Sect. 5-B, Washington Co., (29) 2 concrete, Route 15, Sect. 8-B, Washington Co., (30) 4 concrete, Route 15, Sect. 9-B, Washington Co., (31) 4 concrete, Route 15, Sect. 10-B, Washington Co., (32) 15 concrete, Route 15, Combination 38, Washington Co., (33) 21 concrete, Route 15, Combination 39, Washington Co., (34) 3 concrete, Route 15, Sect. 22-B, Wayne Co., (35) 1 concrete and substructure for steel span, Route 15, Sect. 22-C, Wayne Co., (36) 1 superstructure for steel, Route 15, Sect. 22-D, Wayne Co., (37) 1 steel, Route 15, Combination 42, Wayne Co., (38) 3 concrete, Route 15, Sect. 22-E, Wayne Co., (39) 1 concrete and substructure for steel span, Route 15, Sect. 22-F, Wayne Co., (40) 1 steel superstructure, Route 15, Sect. 22-G, Wayne Co., (41) 1 steel, Route 15, Combination 43, Wayne Co., (42) 2 steel superstructures, Route 15, Combination 44, Wayne Co., (43) 8 concrete and 2 steel, Route 15, Combination 45, Wayne Co., (44) 2 concrete, Route 18, Sect. 10-B, Du Page Co., (45) 4 concrete, Route 37, Sect. 2-B, Jefferson Co., from

Buis & Olsen, St. Joseph, Mo., (1) $9,368 (2) $32,734 (4) $48,218 (8) $16,306 (9) $20,699 (10) $36,365 (21) $13,104 (22) $14,551 (23) $27,102 (34) $21,179 (37) $43,569 (38) $19,443 (41) $104,764 (42) $33,657 (43) $188,125. M. & P. Contg. Co., Rockport, (1) 10,137 (2) $33,591 (5) $7,796. W. H. Shons, 109 Spring St., Freeport, (1) $10,346 (2) $35,180 (4) $44,900 (5) $7,892 (9) $20,696 (11) $5,385 (12) $7,989 (14) $1,620 (15) $1,820 (21) $12,407 (27) $3,340 (28) $10,519 (29) $6,207 (31) $6,991 (39) $80,231 (41) $99,900 (43) $179,000 (44) $11,642. Rochester Bridge Co., Rochester, Ind., (3) $9,792 (20) $10,970 (40) $21,522. Perkins Structural Steel Co., Perkins, Mich., (3) $10,102 (20) $11,269 (25) $11,135 (36) $7,596 (40) $22,184. Vincennes Bridge Co., Vincennes, Ind., (3) $10,511 (4) $45,840 (34) $18,197 (36) $7,919 (37) $36,982 (40) $23,690 (41) $110,000. Zimmerly Bridge Co., Paris, (5) $7,803 (35) $25,076 (38) $19,480 (45) $15,585. F. Zimmerly, Paris, (22) $15,460 (27) $2,977. A. Layton Constr. Co., Muscatine, Wis., (6) $46,500 (8) $12,598 (20) $30,500 (44) $12,611. G. Sheldon, 312 Putnam Bldg., Davenport, Ia., (7) $62,100 (23) $30,726 (43) $207,317. G. H. Goodlink, Lawrenceville, (8) $13,969. J. T. Ransin, Robinson, (9) $19,380. J. T. Lyon, Robinson, (10) $37,250. Mautz & Oren, Effingham, (10) $37,900. Midwest Constr. Co., Des Moines, Ia., (11) $5,228 (12) $8,352 (14) $1,617. W. C. Johnson, 510 South High St., Belleville, (11) $6,416 (17) $20,286 (33) $56,099. Riley & Bailey, St. Louis, Mo., (12) $8,676 (15) $1,958 (28) $10,835 (30) $9,265 (31) $7,075. Love-Richards Co., Hoopeston, (13) $13,000 (15) $1,887 (16) $3,500 (17) $15,800 (32) $32,700 (33) $46,340. Madison Constr. Co., St. Louis, Mo., (13) $15,000. J. W. Etcheson, Casey, (14) $1,613. Dawson & Bowers Co., St. Louis, Mo., (16) $4,329 (28) $10,858. J. R. Stevens, Peoria, (18) $24,618. Gould Constr. Co., 501 Willman Ave., Davenport, Ia., (18) $29,483 (24) $31,987. Miller & Fife, Marshalltown, Ia., (18) $30,966. C. T. Laird, New Canton, (19) $10,544. R. Mann, 2031 3rd. Ave., Rockford, (19) $11,527 (26) $49,106. Universal Eng. Co., St. Clair, Wis., (19) $13,549. Federal Bridge & Structural Co., 108 South La Salle St., Chicago, (20) $11,365 (39) $74,279. Cleary & Healy, Cincinnati, O., (21) $11,908. Bohler & Ossler, St. Louis, Mo., (22) $16,379. Rochester Constr. Co., Rochester, Ind., (24) $31,334. D. Keith Long Point, (24) $32,743. Clinton Bridge Wks., 101 South 2nd St., Clinton, Ia., (25) $10,884. Stupp Bridge & Iron Wks., Frisco Bldg., St. Louis, Mo., (25) $11,115. Porter-McCully Co., Mackinaw, (26) $43,300. Bresie Rd. Supply Co, Mattoon, (27) $2,400. A. P. Poirot, 1528 North Church St., Belleville, (29) $6,359. Midwest Constr. Co., Cumberland, Ia., (29) $6,477. W. A. Edwards, Edwardsville, (30) $9,617 (32) $34,000. T. Hlad, Edwardsville, (30) $9,972. H. G. Hahn, Freeport, (31) $6,569. Herrick Constr. Co., Carlinville, (32) $32,850 (45) $15,510. L. C. Kesler, Herrick, (34) $21,240 (35) $25,193 (38) $18,469. Rochester Constr. Co., Rochester, Ind., (35) $29,201 (36) $7,299. Ferguson Constr. Co., Chicago, (39) $68,217. Decatur Bridge Co. Decatur, East Eldorado St. and Chicago, Illinois & Western R.R., (42) $35,863. F. O. Panton, Geneva, (44) $11,041. M. Frazier, Louisville, (45) $14,640. Noted Sept. 22.

CONTRACTS AWARDED

Wis., Sauk City—State Highway Comn., Madison, Sauk City Bridge over Wisconsin River between here and Roxbury, on State Trunk Highway 12, 995 ft. long, 20 ft. roadway, 6 ft. sidewalk, to Wausau Iron Wks., Wausau, $128,400. Noted Oct. 13.

Wash., Pasco—T. O. Webster, secy. Benton and Franklin Inter Co. Bridge Co., Union Trust Co., 3 East Main St., Walla Walla, bridge across Columbia River from here to Kennewick, 20 ft. roadway, to Union Bridge Co., Central Bldg., Seattle, $426,900. Noted Oct. 6.

Cal., San Bernardino—For 150 ft. rein.-con. arch bridge over Lytle Creek on Mt. Vernon Ave., to J. McNair Paving Co., 133 I St., $58,494. Noted Sept. 22.

Railways

BIDS DESIRED

New York—Nov. 9, by Transit Comn., 49 Lafayette St., New York, 2 track subsurface railroad extending under East and West 42nd St. Bryant Park and West 41st St. from westerly line of Vanderbilt Ave. to about westerly line of 8th Ave., known as Route 67, part of Queensboro Subway Rapid Transit R.R. G. McAneny, chn.

Excavation and Dredging

PROPOSED WORK

Ill., Lincoln — Making plans Salt Creek drainage ditch. $50,000. M. Hoblet, city chn. Keller, Gates & De Lew, 111 West Washington St., Chicago, engrs.

Florida—State Rd. Dept., Tallahassee, excavating canal along proposed fill of Choctawhatchee River Bridge Approach, from J. D. Donahue, Perry, $0.32 per cu.yd.; Pensacola Shipbuilding Co., Little Bayou, Pensacola, $.345; W. P. Kennedy Constr. Co., Quincy, $.38. Noted Sept. 29.

Wis., Madison—Dane Co. Drainage Bd. having plans prepared 2½ mi. open ditch and tile draining, 40,000 cu.yd. earth excav. $35,000. P. H. Hintze, Courthouse, engr.

Wis., Manitowoc—City, c/o A. Zaneler, clk., having plans prepared dredging Manitowoc River and making harbor and channel improvements. $30,000. F. Alter, City Hall, engr. Reiss Coal Co. and Manitowoc Shipbuilding Co. will appropriate toward cost.

Wash., Wenatchee—Wenatchee Recl. Dist. driving 3,310 ft. rock tunnel west of Cashmere and relining 1,300 ft. abandoned tunnel at Monitor, from Grant-Smith Co., Tacoma, $9.75 per lin.ft.; J. A. McEacheron Co., Bell St., Seattle, $15.75; Pacific Coast Paving Co., Perkins Bldg., Tacoma, $16.85.

Man., Winnipeg—Provincial Government plans D.D. 2, in southern Manitoba, known as Boyne Marsh, 449,591 acres. $800,000.

BIDS DESIRED

N. Y., Tompkinsville—Oct. 27, by M. Hulbert, comr. Docks, Pier "A" foot of Battery Pl., New York, dredging about 142,000 cu.yd. at Piers 6-11, between Arrietta St., here and Congress St., Stapleton. Contr. 1723; 19,000 cu.yd. at Piers 12 and 13 between Congress and Water Sts., Stapleton, Contr. 1725.

Minn., Austin—Oct. 25, by Mower Co., Judicial Ditch 7, 12,037 ft. 10-26 in. tile branch A, B, C, 4,945 ft. 7-10 in. tile, branch D, E, F, G, H, I, 14,449 ft. 6-12 in. tile, branch J, K, L, M, N, O, 5,857 ft. 7-8 in. tile, 47 catch basins and 12 low press back water traps. $25,610. L. E. Pritchard, Albert Lea, engr.

Minn., Cambridge—Oct. 28, by Isanti Co., Ditch 20, 161,869 cu. yd. excav., $22,220; F. A. Norell and Co., Ditch 21, 49,524 cu. yd. excav., $8,699.

Mo., Charleston—Nov. 5, by C. E. Swank, dist. engr., D.D. 36 of Mississippi Co., 51,000 lin.ft. 8-24 in. tile.

Wyo., Riverton—Dec. 1, by P. B. Dykeman, secy. Riverton Valley D.D., and A. H. Ayers, engr., Box 246, drainage system, 9 mi. 10-21 in. tile drains, 12,500 cu.yd. excav. $100,000. Noted Aug. 11.

CONTRACTS AWARDED

N. J., Trenton—Dredging—Bd. Commerce and Navigation, State House, dredging section of proposed inland waterways connecting Barnegat Bay with Manasquan River to L. B. Harrison, Market Island, Paterson, $.245 cu.yd. Noted Sept. 8.

Minn., Windom—Cottonwood Co. Ditch 31, to O. M. Anderson, Windom, $30,498. Noted Sept. 29.

Streets and Roads

PROPOSED WORK

Pennsylvania—State Hy. Dept., Harrisburg, rejected bids opened Sept. 27, 2,990 ft. one course rein.-con., Center Twp., Beaver Co. Noted Oct. 6.

Pa., Lewistown—Nov. 8 to vote on $20,000 bonds to grade and pave Lorcas, Logan, Wayne and Market Sts., total $60,000. Property owners will pay balance. C. C. Brown, Yeagertown, engr.

Ohio—Dept. Hys. and Pub. Wks., Columbus, cancelled contracts for grading, building bridges and culverts on 2.955 mi. Sect. "C" McArthur-Gallapolis Rd., Vinton Co., $54,991; bridge on Sect. "D" West Union-Sinking Springs Rd., Adams Co., $6,180. L. C. Herrick, Jr. highways. Noted Sept. 29.

Streets and Roads (Continued)

O., Bridgeport—Nov. 1 to vote on $175,000 bonds to pave National Rd., brick on concrete. R. Sykes, city engr.

O., Columbus—Plans grading, curbing, laying water mains and paving 4,536 ft. 4th St. from State St. to Livingston Ave. brick, $100,306, asphalt, $101,781. R. H. Simpson, City Hall, engr. Noted Sept. 29.

Va., Martinsville—Henry Co. plans 7½ mi. highway system, mostly topsoil, connecting with all important North Carolina roads touching Henry Co. $380,000. H. D. Whittle, Martinsville, engr.

North Carolina—State Hy. Comn., Raleigh, plans grading and surfacing 9.7 mi. road from Polk Co. line to Rutherfordton, State Project 691 B, Rutherford Co., $60,000, 5 mi. Government Reservation Rd. to Central Highway near Marion, State Project 688, McDowell Co., $30,000; clearing, grading, bridging and surfacing 13 mi. road from Columbus to Rutherford Co. line, State Project 691 A, Polk Co., $80,000. C. M. Upham, state highway engr.

North Carolina—State Hy. Dept., Raleigh, plans grading, bridging and surfacing 3.5 mi. State Project 690, Avery Co., $25,000, 9.9 mi. road from Pittsboro to Moncure, State Project 692, Chatham Co., $70,000; grading and surfacing 6 mi. road from Glen Alpine to Bridgewater, State Project 689, Burke Co., $35,000; clearing and surfacing 12 mi. road from Lenoir-Jones Co. line to Trenton, State Project 536 A, Jones Co., concrete or some asphaltic type, $330,000. C. M. Upham, state highway engr.

N. C., Rocky Mount—Soon receives bids grading, curbing, laying storm sewers and paving various streets, 67,000 sq.yd. asphalt on concrete, $210,000; 20,000 ft. 4, 8 and 10 in. sanitary sewers, $15,000. J. J. Wells, Rocky Mount, engr. Noted July 28.

N. C., Tryon—To vote Nov. 1 on $60,000 bonds paving various streets. M. G. Blake, Tryon, engr.

N. C., Wilmington—Plans paving various streets. $100,000. Carolina Eng. Co., Wilmington, engrs.

N. C., Wilson—Wilson Co. to vote on $2,000,000 bonds for roads. H. B. Lane, chn. bd. comrs.

La., Monroe—Ouachita Parish plans 16 mi. road. $160,000.

La., Ruston—Lincoln Parish plans 27 mi. road. $300,000.

Ill., Bloomington—Making plans paving East Jefferson St., asphalt on concrete. $27,000. T. M. Lancaster, City Bldg., engr.

Ill., Champaign—Plans widening and paving Randolph, Hill, State, Park and University Sts. $50,000. F. C. Lohman, city engr.

Ill., Waukegan — Making plans paving various streets, vitr. brick on concrete. $27,000. M. J. Douthit, city engr.

Mich., Detroit—Wayne Co. Park Trustees plan grading and clearing 2 mi. Elizabeth Park Drive, at Elizabeth Park, Slocums Island. $25,000. W. E. Metzger, 201 County Bldg., chn.

Ia., Orange City—Sioux Co. making plans grading 20 mi. North Iowa Pike Rd., 18 ft. Federal Aid Project 22. $200,000. W. A. Aardappel, co. engr.

Minn., Mahnomen — Mahnomen Co. and Clearwater Co., (Bagley) plan to grade 15 mi. road, 24 ft., from here to connect with Green Trail from Bagley to Itasca State Park. $30,000. E. S. Rankin, Mahnomen, engr.

Mo., St. Louis—Making plans paving Alleys 948, 2587, 2588, 2718, 3337, 4054, 4519, 4661, 4991, 5084 and 5236, vitr. brick on concrete. $70,000. E. R. Kinsey, dir. Pub. Serv. Engineers name withheld.

Tex., Fredericksburg—Gillespie Co. plans grading and building bridges on 8.39 mi. Fredericksburg-Austin Highway, 800 cu.yd. concrete. $49,913. A. F. Moursand, co. engr.

Tex., Gainesville—Cooke Co. making plans grading and gravel surfacing 1.82 mi. Denton-Gainesville Rd., Highway 40, 16 ft. $36,850. T. E. Huffman, co. engr.

Tex., Tyler — Smith Co. making plans grading and surfacing 2.66 mi. Tyler-Mineola Highway from Tyler to Wood Co. line, 20 acres heavy clearing, 140,000 cu.yd. excav., 23,500 sq.yd. concrete, 45,000 cu.yd. gravel clay. $210,000. D. K. Caldwell, co. engr.

Tex., Uvalde—J. J. Wainwright, mayor, takes bids about Oct. 20, paving 5 mi. Main and various other streets, 100,000 sq.yd. asphalt. $200,000. E. R. Benson, Uvalde, engr.

Tex., Uvalde—Uvalde Co. plans grading, gravel surfacing and building bridges on state and county highways and main county roads. $550,000. E. R. Bowie, co. engr.

Okla., Wetumka—Had plans prepared paving, curbing and guttering main business streets. $120,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Ont., Ottawa—Plans 24,000 sq. yd. wood block and asphalt paving. $112,000. A. F. Macallum, city engr.

BIDS DESIRED

N. Y., Brooklyn—Oct. 26, by E. Riegelmann, boro pres., resurfacing Atlantic Ave. southside from Van Sinderen to Georgia Aves., Atlantic Ave. southside from Pennsylvania to New Jersey Aves., Blake Ave. from Hinsdale St. to Sheffield Ave., East New York Ave. from Williams Ave. to Fulton St., Hicks St. from Middagh St. to Grace Court, Kent Ave. from Myrtle to Lafayette Aves., Linden Ave. from Flatbush to Rogers Aves., Ocean Ave. from point 50 ft. north of Ave. O to Kings Highway, Somers St. from Bway. to Eastern Parkway extension, South 3rd St. from Rodney to Keap Sts., Windsor Pl. from 8th to 10th Aves., asphalt; grading, curbing and laying sidewalks on Bristol St. from Lott to Hegemand Ave.; grading portion of lot on northeast corner of Winthrop St. and Nostrand Ave.; repaving Atlantic Ave. from point 100 ft. west of Bedford Ave. to point 100 ft. east of Nostrand Ave., from point 100 ft. west of Ralph Ave. to point 100 ft. east of Dewey Pl. and from Eastern Parkway extension to Jardine Pl., asphalt on 6 in. concrete.

N. Y., Brooklyn—Oct. 27, by Park Bd. at office Dept. Parks, Municipal Bldg., New York, improving Ocean Parkway main road from Coney Island Creek Bridge towards Coney Island. F. D. Gallatin, pres.

N. Y., S. I., St. George—Oct. 24, by C. D. Van Name, pres. Richmond Boro., Boro Hall, concrete sidewalks on Egbert Ave. from Jewett to Brookside Aves., Newark Ave. from Innis St. to point 550 ft. south of Richmond Terrace, Davidson St. from Grand View Ave. to point 91 ft. east of Andros Ave.

New Jersey—Oct. 31, State Hy. Comn., Trenton, Route 6, Gloucester Turnpike beginning at railroad crossing near north town line of Woodbury and extending to Jersey Ave., Gloucester, Camden and Gloucester Counties. A. W. Muir, 517 Broad St. Bank Bldg., supt. maintenance; adv. this issue.

N. J., Allenhurst—Oct. 25, by Boro Commissioners, improving Main St. from northerly line of Elberon Ave. to southerly line of boro. N. Rogers, engr., adv. this issue.

North Carolina—Oct. 27, by State Hy. Dept., Raleigh, clearing, grading, bridging and surfacing 9.93 mi. State Project 578, Craven Co., 12 acres clearing, 63,600 cu.yd. excav., 93,150 sq.yd. concrete or asphaltic paving, 624 cu.yd. concrete, 52,880 lb. reinforcing, 780 ft. untreated timber piles, etc., $355,000, 15 mi. State Project 536 B, Jones Co., 15 acvres clearing 80,600 cu.yd. excav., 23,100 cu.yd. drainage ditches, 660 ft. 18-30 in. concrete pipe, 82,390 sq.yd. concrete paving, 678 cu.yd. concrete, 52,560 lb. reinforcing, 1,200 ft. timber piles, etc., $323,000, 10 mi. State Project 616, Wayne Co., 7 acres clearing 33,500 cu.yd. excav., 105,780 sq.yd. concrete or asphaltic paving, 570 cu.yd. concrete, 44,000 lb. reinforcing, 1,000 ft. untreated timber piles, $350,000; grading and paving 6.81 mi. State Project, 599 Greene Co., 34,700 cu.yd. excav., 590 ft. 15-24 in. concrete pipe, 29 cu.yd. concrete, 63,770 sq.yd. concrete or some asphaltic type of paving, $200,000, 12 mi. State Project 694, Old Federal Aid Project 90, Pamlico Co., 12,600 cu.yd. grading 112,650 sq.yd. concrete or some asphaltic type of paving, $340,000. C. M. Upham, state highway engr. Noted July 7, Aug. 25 and Oct. 13.

Louisiana—Oct. 31, by State Hy. Dept., New Orleans, gravel surfacing 5.76 mi. Prairie-Ronde Rd. A, 4 mi. West Bellevue Rd. B, 2.94 mi. Daly-Lewisburg Rd. C and 3.57 mi. Shuteson-Church Port Rd., St. Landry Parish.

Kentucky—Oct. 27, by State Hy. Dept., Frankfort, shaping and surfacing, with waterbound macadam, waterbound macadam surface treated or river gravel, 12 mi. Louisville-Paducah Rd., State Project 8, Sect. A, Federal Aid Project 54, Livingston Co., 18 acres clearing, 72,828 cu.yd. earth, 4,684 cu.yd. solid rock and 15,226 cu.yd. borrow excav., 34,420 cu.yd. river gravel, 22,522 gal. bituminous prime coat, 37,537 gal. C. O. or M. Y. Special, 2nd application, etc.; shaping and surfacing, with bank gravel, waterbound macadam or waterbound macadam surface treated, 7 mi. Cadiz-Hopkinsville Rd., State Project 1, Sect. A, Federal Aid Project 44, Christian and Trigg Counties, 12,702 cu.yd. earth excav., 7,878 cu.yd. borrow, 18,942 cu.yd. bank gravel, 30,993 ton crushed limestone, 775 ton stone chips, 12,397 gal. prime coat, 20,662 gal. cold oil or med. tar special, etc.; shaping and surfacing 2.4 mi. Louisville-Paducah Rd., from Sta. 1 plus 00 to Sta. 125 plus 85, State Project 8, Sect. A, Federal Aid Project 58, McCracken Co., from Sta. A plus 00 to 105 plus 00, with gravel, waterbound macadam or waterbound macadam surface treated, from Sta. 105 plus 00 to 125 plus 85, rein.-con., rock asphalt, bituminous concrete topeka mix, or bituminous macadam penetration type, 10,284 cu.yd. earth excav., 10,424 gal. bituminous material, 356 ton rock asphalt, 4,633 sq.yd. bituminous and 4,633 sq.yd. rein.-con., 308 cu.yd. bank gravel for shoulders, 9,154 ton crushed stone or 5,596 cu.yd. bank gravel, etc.; shaping and grading 4.1 mi. Smithland-Eddyville Rd., State Project 10, Sect. A, Livingston Co., 2 acres clearing, 18,968 cu.yd. earth excav., etc., 7 mi. Marion-Princeton Rd., State Project 10, Sect. A, Crittenden Co., 26,571 cu.yd. earth excav., etc. J. S. Boggs, state highway engr.

Ohio—Oct. 25, by Dept. of Highways & Pub. Wks., Columbus, grading, building bridges and culverts and paving 2.138 mi. Sect. "Huron" I.C.H. 3, Erie Co., rein.-con., $112,051, 1.044 mi. Sect. "H-3" I.C.H. 26, Jefferson Co., brick, $57,737; grading and paving 0.197 mi. Sect. "M" I.C.H. 289, Huron Co., brick (state to furnish brick), $6,318, 0.447 mi. Sect. "N" I.C.H. 289, brick (state to furnish brick), $16,102, 0.614 mi. Sect. "O" I.C.H. 289, monolithic brick (state to furnish brick), $27,842. L. C. Herrick, dir. highways.

Ill., Chicago—Oct. 24, Bd. Local Impvts., 207 City Hall, paving and recoating North and South State St. from Jackson to Lake Sts., 260 sq.yd. granite block, 45,480 sq. yd. asphalt, 1,860 sq.yd. concrete, 23 brick catchbasins. $119,500. C. D. Hill, ch. engr.

Ia., Cresco—Oct. 25, Auditor Howard Co., gravel surfacing 11.5 mi. Federal Aid Project 93, from Riceville east toward here, 23,000 cu.yd. gravel.

Ia., Mt. Ayr—Oct. 26, Auditor Ringgold Co., grading 8.79 mi. primary roads, west, east and north from here, Federal Aid Project 123, 183,773 cu.yd. earth excav.

Tex., La Grange—Nov. 1, by J. P. Ehlinger, judge Fayette Co., grading and gravel surfacing 7.29 mi. State Highway 3-B, 16 ft. $123,382. A. Schlafli, co. engr. Noted Oct. 6.

Tex., La Grange—Nov. 1, by J. P. Ehlinger, judge Fayette Co., surfacing 11.27 mi. Highway 3, 16 ft., about 160,000 cu.yd. gravel. $70,000. Former bids rejected. A. Schlafli, Schulenberg, co. engr. Noted Oct. 13.

Tex., Palestine—Oct. 31, by City Secretary, 80,986 sq. yd. sheet asphalt, asphaltic composition, willitte, wood blocks, brick, rock asphalt or warrenite bitulithic pavement, 49,990 lin. ft. curb and gutter, and 26,876 cu. yd. excav. F. L. Dormant, city engr.

New Mexico—Nov. 2, by State Hy Comn., Santa Fe, 14.242 mi. road between Roswell and Kenna, including bridges, Federal Aid Project 57, Chaves Co., 30,969 cu.yd. excav., 5.019 mi. crowning and shaping, 11, 398 cu.yd. 1 course gravel, 439 cu.yd. concrete and 11,403 lb. reinforcing, etc.; 13.024 mi. road between Clovis and Grady, including bridges, Federal Aid Project 63, Curry Co., 14,444 cu.yd. excav., 7.564 mi. crowning and shaping, 247.56 cu.yd. concrete and 13,621 lb. reinforcing, etc. L. A. Gillett, state highway engr.

California—Oct. 31, by State Hy. Comn., Sacramento, concrete paving 7.4 mi. highway between Los Flores Canyon and Santa Monica, Los Angeles Co; grading 4.3 mi. highway between Clements and eastern boundary, San Joaquin Co. A. B. Fletcher, state highway engr.

BIDS RECEIVED

N. Y., Brooklyn—Dept. of Parks, Municipal Bldg., New York City, improving main roadway of Ocean Parkway between Ave. W. and Coney Island Creek Bridge, etc., here, from Cranford Co., 52 9th St., $154,721; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $155,844; Borough Asphalt Co., 1301 Metropolitan Ave., $162,567.

N. J., Weehawken—Bd. Freeholders Hudson Co. (Jersey City) paving 1 mi. Hackensack Plank Rd. between Hudson Blvd. and Weehawkeen St., granite block on con-

Streets and Roads (Continued)

crete, from Hornung Constr. Co., 711 Dubois St., West Hoboken, 81% engineers estimate ($178,000); R. Sangiovanni, 80 Hoyt St., Newark, 87.7%; E. J. Flaherty Constr. Co., 76 Montgomery St., Jersey City, 88.7%. Noted Sept. 15.

S. C., Ridgeland—Jasper Co. grading, surfacing and bridging 15 mi. road between here and Pocataligo, from Lawler & Cartledge, Toccoa, Ga., $53,584; J. T. Blassingame, Greenville, $61,041; C. E. Perry, Ridgeland, $62,680. Noted Sept. 29.

Ohio—Dept. Hys. and Pub. Wks., Columbus, grading, building bridges and culverts on roads in following counties:

Wayne Co., Sect. "P" Akron—Wooster Rd., 2.028 mi., from Peters & Baird, Wadsworth, $27,026; Cavanaugh Deniro Co., Youngstown, $27,284; Hogan Excavating Co., Cleveland, $28,969.

Sect. "K" Orville — Northern Rd. 3.174 mi., Zeller & Drum, Swanton, $17,054; Peter Beney, Wadsworth, $17,102; Cavanaugh De Niro Co., Youngstown, $17,517. Noted Sept. 29.

O., Cleveland—Grading, curbing and paving (1) East 154th St., (2) Colonial Court, 3,050 lin.ft. curb and gutter, 32,090 cu.yd. earth excav., 50,500 sq.ft. vitr. brick on concrete, (3) Jeffreys Ave. from Turney Rd. to 86th St., (4) Jeffreys Ave. from Warner Rd. to westerly end, (5) Rhodes Ave., 4,450 lin.ft. curb and gutter, 3,210 cu.yd. earth excav., 72,300 sq.ft. vitr. brick on 6 in. concrete, (6) East 134th St., (7) Aetna Rd., (8) Fairchild Ave. 3,800 lin.ft. curb and gutter, 2,780 cu.yd. earth excav., 47,980 sq.ft. vitr. brick on 6 in. concrete, (9) Bosworth Rd., (10) Ardmore Ave., 4,160 lin.ft. stone curb, 5,950 cu.yd. earth excav., 73,120 sq.ft. vitr. brick on 6 in. concrete, from Post Constr. Co., Fairchild Ave., (1) $27,677; Gould & Maybach, 823 East 150th St., (1) $27,757; Garland Bros., c/o Pavers Exch., Society for Savings Bldg., (2) $5,135; H. G. Herring, c/o Pavers Exch., Society for Savings Bldg., (2) $5,171, (8) $6,096; Fischer & Williams, 16010 Lorain Rd., West Park, (3) $16,601, (4) $17,485, (5) $13,058, (6) $10,023, (7) $15,389, (8) $6,325, (9) $19,541, (10) $26,055; Roehl Bros., West 25th St. and Clark Ave., (5) $14,377, (9) $18,925, (10) $26,857; Enterprise Paving & Constr. Co., 8444 Bway., (3) $17,214, (4) $18,040, (6) $10,418; Baldwin Bros., 4500 Euclid Ave., (7) $15,889. Noted Sept. 29.

O., Cleveland—Grading, curbing and paving (1) East 130th St., 86,400 sq.ft. vitr. brick on 6 in. concrete, 6,250 lin.ft. stone curb and gutter, (2) Parkview Ave., (3) East 69th St., 1,270 lin.ft. stone curb and gutter, 42,970 sq.ft. vitr. brick on 6 in. concrete, (4) Locust Ave., (5) Imperial Ave., 7,350 lin.ft. stone curb, 104,000 sq.ft. vitr. brick on 6 in. concrete, (6) East 144th St. (7) East 133rd St., 5,630 lin.ft. stone curb and gutter, 67,050 sq.ft. vitr. brick on 6 in. concrete, from Fischer & Williams, 16010 Lorain Rd., West Park, (1) $49,677, (2) $23,006, (4) $16,853, (5) $46,144, (6) $33,823, (7) $9,709; A. M. Pejsa Paving Co., Essex Rd., (1) $52,440; Post Constr. Co., Fairchild Ave., (2) $23,249; Burnett & Hathaway, c/o Pavers Exch., Society for Savings Bldg., (3) $9,223; River Constr. Co., Schofield Bldg., (3) $9,573; Freshwater Constr. Co., Natl. Bldg., (4) $17,299; Reiley Bros. The Arcade, (5) $49,857; Gould & Maybach, 823 East 150th St., (6) $33,522; Enterprise Constr. Co., 8444 Bway., (7) $10,055. Noted Sept. 29.

Mich., Detroit — Paving (1) Lillibridge Ave., resurfacing (2) Leland St., (3) Illinois St., (4) Hazel St., (5) Benson St. from Mt. Elliot to Beaufait Aves., (6) Benson St. from Bellevue to Boulevard Aves. from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $50,327, (2) $2,184, (3) $4,368, (4) $5,460, (5) $3,822, (6) $5,460; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $51,277, (2) $2,292, (3) $4,584, (4) $5,730 (5) $4,011, (6) $5,730. Noted Oct. 6.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, opened bids Oct. 4 paving (1) 0.18 mi. Route 1, Sect. 26, Vermilion Co., (2) 2.99 mi. Route 2, Sec. 1, Jackson Co., (3) 7.25 mi. Route 2, Sect. 3, Jackson Cp., (4) 6.94 mi. Route 2, Sect. 4, Jackson-Perry Co., (5) 17.19 mi. Route 2, Combination 1, Jackson-Perry Co., (6) 14.19 mi. Route 2, Combination 2, Jackson-Perry Co., (7) 5.98 mi. Route 2, Sect. 5, Perry Co., (8) 4.68 mi. Route 2, Sect. 6, Perry Co., (9) 10.67 mi. Route 2, Combination 3, Perry Co., (10) 5.98 mi. Route 2, Sect. 7, Perry-Washington Co., (11) 5.41 mi. Route 2, Sect. 8, Washington Co., (12) 11.13 mi. Route 2, Combination 4, Perry-Washington Co., (13) 21.79 mi. Route 2, Combination 5, Perry-Washington Co., (14) 38.97 mi. Route 2, Combination 7, Perry-Washington Co., (15) 2.65 mi. Route 4, Combination 9, Livingston Co., (16) 7.1 mi. Route 4, Sect. 14, McLean Co., (17) 6.32 mi. Route 7, Sect. 5, Henry Co., (18) 4.35 mi. Route 7, Sect. 7, Bureau-Henry Co., (19) 2.44 mi. Route 7, Sect. 8, Bureau Co. (20) 6.8 mi. Route 7, Combination 12, Bureau-Henry Co., (21) 13.13 mi. Route 7, Combination 13, Bureau-Henry Co., (22) 6.27 mi. Route 9, Sect. 11, Woodford-McLean Co., (23) 6.08 mi. Route 10, Sect. 4, Champaign Co., (24) 2.69 mi. Route 10, Sect. 7-S, Piatt Co., (25) 5.87 mi. Route 10, Sect. 8, Piatt Co., (26) 8.56 mi. Route 10, Combination 14, Piatt Co., (27) 4.16 mi. Route 10, Sect. 9, Piatt Co., (28) 12.73 mi. Route 10, Combination 15, Piatt Co., (29) 4.2 mi. Route 10, Sect. 11, Macon Co., (30) 5.7 mi. Route 10, Sect. 16, Sangamon-Macon Co., (31) 5.68 mi. Route 10, Sect. 17, Sangamon Co., (32) 11.38 mi. Route 10, Combination 16, Sangamon Co., (33) 5.67 mi. Route 10, Sect. 18, Sangamon Co., (34) 1.25 mi. Route 10, Sect. 19, Sangamon Co., (35) 6.92 mi. Route 10, Combination 17, Sangamon Co., (36) 18.33 mi. Route 10, Combination 18, Sangamon Co., (37) 7.3 mi. Route 10, Sect. 21, Sangamon Co., (38) 5.25 mi. Route 10, Sect. 23, Sagamon Co., (39) 12.55 mi. Route 10, Combination 19, Sangamon Co., (40) 6.2 mi. Route 12, Sect. 4, Richland Co., (41) 5.81 mi. Route 13, Sect. 1, Williamson Co., (42) 4.98 mi. Route 13, Sect. 5, Jackson-Williamson Co., (43) 6.54 mi. Route 15, Sect. 5, Washington Co., (44) 5.18 mi. Route 15, Sect. 6, Washington Co., (45) 4.13 mi. Route 15, Sect. 7, Washington Co., (46) 15.86 mi. Route 15, Combination 8, Washington Co., (47) 2.15 mi. Route 15, Sect. 8, Washington Co., (48) 5.95 mi. Route 15, Sect. 9, Washington Co., (49) 4.8 mi. Route 15, Sect. 10, Washington Co., (50) 12.9 mi. Route 15, Combination 9, Washington Co., (51) 28.77 mi. Route 15, Combination 10, Washington Co., (52) 67.75 mi. Route 15, Combination 11, Washington Co., (53) 5.83 mi. Route 18, Sect. 9, Du Page Co., (54) 6.45 mi. Route 18, Sect. 10, Du Page Co., (55) 12.68 mi. Route 18, Combination 21, Du Page Co., (56) 4.73 mi. Route 23, Sect. 2, La Salle Co., (57) 1.08 mi. Federal Aid Project 9, Sect. 27, Madison Co., (58) 0.65 mi. State Park, Sect. P-3, La Salle Co.; grading, (59) 4.06 mi. Route 1, Sect. 4-A, White Co., (60) 8.02 mi. Route 1, Sect. 5-A, White Co., (61) 12.08 mi. Route 1, Combination 22, White Co., (62) 5.66 mi. Route 1, Sect. 6-A, White-Edwards Co., (63) 4.49 mi. Route 1, Sect. 7-A, Edwards Co., (64) 10.16 mi. Route 1, Combination 23, Edwards Co., (65) 5.66 mi. Route 1, Sect. 8-A, Edwards-Wabash Co., (66) 4.59 mi. Route 1, Sect. 9-A, Wabash Co., (67) 3.64 mi. Route 1, Sect. 10-A, Wabash Co., (68) 13.9 mi. Route 1, Combination 24, Edwards-Wabash Co., (69) 36.14 mi. Route 1, Combination 25, Edwards-Wabash Co., (70) 0.84 mi. Route 1, Sect. 17-A, Lawrence Co., (71) 5.54 mi. Route 1, Sect. 18-A, Crawford Co., (72) 2.87 mi. Route 1, Sect. 19-A, Crawford Co., (73) 9.25 mi. Route 1, Combination 26, Lawrence-Crawford Co., (74) 4.11 mi. Route 8, Sect. 5-A, Warren-Henderson Co., (75) 5.48 mi. Route 8, Sect. 6-A, Henderson Co., (76) 7.38 mi. Route 8, Sect. 7-A, Henderson Co., (77) 16.96 mi. Route 8, Combination 27, Henderson Co., (78) 16.96 mi. Route 8, Combination 28, Henderson Co., (79) 1.87 mi. Route 8, Sect. 11-A, Peoria Co., (80) 4.83 mi. Route 15, Sect. 22-A, Wayne Co., (81) 3.2 mi. Route 37, Sect. 2-A, Jefferson Co., (82) 3.2 mi. Route 37, Combination 29, Jefferson Co., from C. W. Clarke & Co., Clinton, Ind., (1) $3,744 (23) $125,753 (27) $89,845 (29) $94,374. W. Roy, Danville, (1) $5,040. H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, (2) $71,132 (3) $161,924 (4) $170,418 (5) $393,000 (7) $137,751 (8) $111,040 (9) $242,000 (10) $147,716 (11) $157,034 (12) $285,000 (14) $911,000 (41) $134,301 (42) $116,877 (43) $154,234 (44) $125,550 (45) $102,593 (46) $367,000 (47) $499,000 (48) $149,080 (49) $119,466 (51) $674,000 (52) $1,570,000 (57 $25,693. Mautz & Oren, Effingham, (2) $76,499 (3) $166,231. Madison Constr. Co., Edwardsville, (2) $76,637. C. J. Moritz, Effingham, (3) $165,589 (16) $148,082. J. W. Etchison, Casey, (4) $167,310 (8) $111,567 (26) $181,255 (31) $135,991 (32) $278,708 M. Hayes & Son, Janesville, Wis. (4) $176,971 (6) $345,000 (7) $143,928 (8) $113,870 (9) $255,000 (40) $151,473 (60) $26,715 (61) $55,500 (64) $44,000. Allied Constr. Co., 404 Peters Trust Bldg., Omaha, Neb., (5) $459,000 (10) $160,499 (11) $145,766 (13) $572,000 (30) $145,328 (33) $132,133 (34) $28,862 (37) $178,085 (38) $122,467 (39) $297,000 (50) $346,500. Wright Constr. Co., 211 Flynn Blk., Des Moines, Ia., (7) $138,638 (19) $56,544. R. L. Williams, Wyatt, Mo., (10) $163,122. Alzina Constr. Co., Springfield, (9) $282,400. Reich-Reilly Constr. Co., Goshen, Ind., (11) $159,615 (13) $585,880. D. A. Myers, 209 West Armstrong St., Peoria, (15) $58,413. R. Todd & Son, Pontiac, (15) $59,430. C. Upham, Pontiac and Odell, (15) $60,965. R. F. Conway, 133 West Washington St., Chicago, (16) $144,872 (17) $146,396 (18) $89,894 (19) $52,518 (20) $133,000 (21) $276,100 (56) $96,948. K. K. Rhodes, Lincoln, (16) $148,650. Central Eng. Co., 711 Putnam Bldg., Davenport, Ia., (17) $150,077 (18) $98,282 (20) $147,615 (22) $175,528. J. J. Dunnegan, Shenandoah, Ia., (17) $152,430 (20) $163,000. H. A. Reschke Co., Geneva, (18) $94,805 (19) $55,009. C. E. Carson, 155 North Clark St., Chicago, (21) $280,500 (46) $403,750. Chicago Heights Coal Co., Chicago Heights, (21) $280,685 (36) $404,673 Hedges Constr. Co., 111 West Washington St., Chicago, (22) 135,756 (30) $143,099 (31) $136,230 (32) $272,000. Jansen & Schafer, Pekin, (22) $181,104. W. C. Meneeley, 709 North Clay St., Frankfort, Ind., (23) $119,212 (24) $54,406 (28) $25,900 (29) $91,092 (30) $122,509 (31) $127,853 (33) $120,861 (34) $26,042 (36) $393,800. C. Taggart, Martinsville, Ind. (23) $126,552. W. F. Lodge, Monticella, (24) $51,273. Becker-Engart Co., Rochester, Ind., (24) $52,753 (25) $144,443 (27) $84,653 (28) $247,000. Piatt County Bd., Monticello, (25) $124,593 (27) $91,197. King & Baker, Dudley, (25) $123,594 (26) $180,000. H. C. Finley Constr. Co., Hooperton, (26) $184,258. Warner Contg. Co., 730 Waveland Ave., Chicago, (29) $96,829. Bates & Rogers Constr. Co., 37 West Van Buren St., Chicago, (32) $301,094 (35) $175,788. J. P. Schuell, Muskegon, Mich., (33) $137,085 (34) $29,583 (38) $129,275 (39) $300,342. W. F. Smith Co., Rennselaer, Ind., (36) $425,109. Edwardsville Constr. Co., Edwardsville, (37) $177,516. Cameron, Joyce Co., Keokuk, Ia., (37) $138,320 (38) $127,133 (61) $63,943 (64) $43,505 (68) $75,493 (69) $181,941 (77) $103,963 (80) $47,546 (81) $16,556 (82) $39,556. Federal Paving Co., 133 West Washington St., Chicago, (39) $301,000 (55) $280,000. Foulkes Constr. Co., 705 Ohio St., Terre Haute, Ind., (40) $149,828. Wabash Constr. Co., Vincennes, Ind., (40) $150,406 (45) $111,713. Keokuk Quarry & Constr. Co., Keokuk, Ia., (41) $123,082 (42) $106,933. Ready & Callaghan, 133 West Washington St., Chicago, (41) $149,736 (42) $131,287 (80) $43,895. W. C. Johnson, 510 South High St., Belleville, (43) $162,314 (44) $131,112 (45) $109,503 (46) $382,783, (47) $54,037 (48) $153,380 (49) $125,371 (50) $316,149. Miner Co., Monroe, Wis., (43) $165,129 (44) $113,555. C. E. Berns & Co., Indianapolis, Ind., (47) $55,109 (48) $156,600 (49) $127,501 (56) 104,015. Cook County Constr. Co., Chicago, (53) $121,478 (54) $124,341 (55) $235,000. A. Ward & Son, Oak Glen, (53) $124,860. Pronger & Black, Blue Island, (53) $132,435 (54) $150,478 (55) $282,000. W. A. Jaicks, Chicago, (54) $139,680. J. Mackler & Co., Chicago Heights, (56) $103,797. Hug Lumber & Constr. Co., Highland, (57) $30,599. A. Trompeter & Son, Peru, (58) 15,397. Lamoreaux Bros., St. Louis, Mo., (59) $20,946 (60) $30,550 (62) $23,160 (63) $14,068. (74) $20,584 (75) $39,725 (76) $35,647 (79) $25,768. New Era Constr. Co., 3735 North Halsted St., Chicago, (59) $25,083 (60) $32,099 (62) $22,536 (63) $15,568 (70) $25,763 (71) $29,202. Burns & Olsen, St. Joseph, Mo., (59) 27,565. (61) $57,570 (64) $37,059 (65) $34,878 (66) $20,672 (67) $19,808 (68) $67,822 (69) $162,452 (72) $26,313 (73) $80,271 (79) $25,918. Ellen & Costello Bros., Owensboro, Ky., (62) $23,687 (65) $34,625 (66) $20,980 (67) $19,599 (69) $177,930 (70) $26,141 (72) $25,848 (73) $84,000. F. R. Millure, Bridgeport, (63) $15,228 (71) $31,059. Johnston, Austin & Mauritz, Benton, (65) $22,490 (66) $20,098 (67) $19,249 (68) $71,500 (81) $13,289. Dees Bros., Oblong, (70) $27,194 (73) $87,000. Manigold Co., St. Louis, Mo., (71) $32,357. G. E. Dailey, Lawrenceville (72) $25,361. Andrew & Hanan, Keokuk, Ia. (74) $20,533 (75) $43,191 (76) $38,708 (77) $102,400. A. O. McCoy, Clayton, (7) $24,434 (76) $46,561. Monmouth Gate & Mfg. Co., Monmouth, (75) $48,585. P. F. Shugart, Springfield (77) $112,230. Henderson Bros., Rockford, (78) $176,479. J. Marsch Co., 1307 Wrightswood Ave., Chicago, (79) $25,843 (80) $49,765. Keating Bros., St. Louis, Mo., (81) $16,184. Furmel & Foothaker, Effingham, (82) $35,000. G. E. Hoffman, Lincoln, (82) $35,667. Noted Sept. 22.

Tex., Big Springs—Howard Co. grading and surfacing 34.3 mi. State Highway 1, from Womack Constr. Co., McKinney, $250,735; Lee-Moor Contg. Co., Two Republics Bldg., El Paso, $256,259; El Paso Bitulithic Co., Box 161, El Paso, $270,032. Noted Sept. 29.

Tex., Midland—Midland Co. grading and surfacing 26.91 mi. State Highway 1, Bankhead Highway, from M. M. Craven, Fredericksburg, $186,727; El Paso Bitulithic Co., Box 161, El Paso, $201,620;

Streets and Roads (Continued)

Womack Constr. Co., McKinney, $205,743. Noted Sept. 29.

Tex., Odessa—Ector Co. grading and surfacing 24.74 mi. State Highway 1, from El Paso Bitulithic Co., Box 161, El Paso, $197,448; McClung Constr. Co., c/o G. H. McClung, Cleburne, $205,252; Womack Constr. Co., McKinney, $209,355. Noted Sept. 29.

Tex., Pecos—Reeves Co., grading and surfacing 9.69 mi. State Highway 1, from W. E. Hamilton, Van Horn, $36,860; O'Connor, McEnroe & Moreland, Box 385, Cleburne, $40,053; Tibbetts Constr. Co., Mineral Wells, $48,630. Noted Sept. 22.

Tex., Port Lavaca—Calhoun Co. grading and surfacing 11.37 mi. State Highway 7, from W. T. Hutto & Sons, Gonzales, $103,759; Walling, Adams & Harris, Houston, $127,612; Miller Constr. Co., Port Lacava, $135,990. Noted Sept. 29.

Tex., Stanton—Martin Co., grading and surfacing 12.79 mi. State Highway 1, from Womack Constr. Co., McKinney, $93,398; El Paso Bitulithic Co., El Paso, $97,851; M. M. Craven, Fredericksburg, $99,002. Noted Sept. 29.

CONTRACTS AWARDED

R. I., Providence—Water Supply Bd. 4½ mi. road in Scituate, to J. Bristow, Narragansett Pier, $258,647. Noted Oct. 13.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, grading and curbing Ocean Ave., etc., to Alcatraz Asphalt Co., 407 Hamilton Ave., $26,571; Ocean Ave., etc., to Borough Asphalt Co., 1301 Metropolitan Ave., $26,714; grading portion of lot on northeast corner of Winthrop St. and Nostrand Ave., to Grimm Constr. Co., 180 McKinley Ave., $142; repaving 1st Ave., to F. Donovan Trucking & Contg. Co., 614 Union St., $10,226. Noted Sept. 29.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and paving, etc., Rockaway Blvd. from New York Ave. to Nassau Co. line, to A. Paino, 2016 East 14th St., Brooklyn, $268,480. Noted Oct. 13.

N. Y., New York—Park Bd. at office Dept. Parks, Municipal Bldg., improving driveway between 155th and Dyckman Sts., to W. P. McDonald Constr. Co., 17 West 42nd St., $54,925. Noted Oct. 13.

N. J., Kearney—Paving ¼ mi. Argyle Pl. between Columbia Ave. and Belleville Turnpike, warrenite bitulithic or asphalt block, to Kesto Constr. Co., 64 State St., Newark, $38,567.

N. J., North Bergen (Weehawken P. O.)—Board of Freeholders Hudson Co. (Jersey City) paving ¼ mi. Daily Town Rd. between Hudson Blvd. and Dan Kelly's Hill, 25 ft., granite block and asphalt, to Lettieri & Belettzo, 253 Wayne St., Jersey City, 97.5% engineers estimate ($29,556).

Pennsylvania—State Hy. Dept., Harrisburg, 15,067 ft. Armstrong Co., to L. H. Hileman Constr. Co., 217 First Natl. Bank Bldg., New Kensington, $144,700; 20,924 ft. Wyoming Co., to Continental Constr. Co., Knickerbocker Bldg., Baltimore, Md., $196,407; 826 ft. Schuykill Co., to A. E. LaRoche, Hamburg, $29,143; 12,687 ft. Indiana Co., to McClure & Bingner, 355 Market St., Johnstown, $155,052; 5,368 ft. Erie Co., to C. H. Fry Constr. Co., Erie, $50,627; 14,832 ft. Cameron Co., to Miller Constr. Co., Punxsutawney, $137,696. Noted Oct. 6.

Pa., Ebensburg—Cambria Co., 7,403 ft. Southmont Blvd. from 8th Ward Johnstown to Mill Creek Rd., to Trevorrow & Crissey Constr. Co., Johnstown, $107,124. Noted Oct. 6.

Pa., Pittsburgh — Grading, regrading, paving and repaving 215.12 ft. Blvd. of allies, from Shingess to Gist Sts., asphalt, to T. Cronin Co., South 18th St., $210,540.

W. Va., Clarksburg—Paving South Chestnut St., vitr. brick, to T. Pietro, Morgantown, $33,500.

W. Va., Moundsville—J. E. Chase, clk. Marshall Co., 1¼ mi. Sallie Arnold Ridge Rd., to Stringer & Springer, Wheeling, $28,960. Noted Sept. 22.

W. Va., New Martinsville — Wetzel Co. grading 3 mi. New Martinsville-Wileyville Rd., to Keeley Constr. Co., Clarksburg, $0.66 per yd. Noted Sept. 29.

W. Va., Webster Springs—Webster Co. grading 8.2 mi. Webster Springs-Diana Rd., to Queen Constr. Co., Covington, Va., $139,910. Noted Sept. 22.

N. C., Charlotte—Dilworth Building Co. paving 15 blocks Tremont Ave., Lyndhurst, Springdale and other streets, asphalt, to Simmons Constr. Co., Charlotte, $44,000.

Fla., Moore Haven—Paving 3 mi. road, to E. Kean, Moore Haven, 81,127 cu.yd. earth, $0.16 per cu.yd., and 9,026 cu.yd. rock, $2.35, etc., total $33,680.

La., Harrisonburg—Police Jury of Catahoula Parish, gravel surfacing 11 mi. Harrisonburg-Leesville Highway, 16 mi. Harrisonburg-Jena Highway, 13 mi. Harrisonburg-Winnsboro Highway, 18 mi. Harrisonburg-Columbia Highway, 19 mi. Winnsboro-Clayton Highway, to Smith Bros., Alexandria, $690,000. Noted Sept. 22.

Kentucky—State Hy. Comn., Frankfort, shaping and waterbound macadam surfacing 11 mi. Brooksville-Newport Rd., 10 ft., Bracken Co., to Godfrey & Miller, Brooksville, $60,114; 4.5 mi. Brooksville-Maysville Rd., 14 ft., Bracken Co., to Miller & Connelly, Brooksville, $47,110. Noted Sept. 22 and Oct. 13.

O., Canton—Stark Co. grading and paving 0.9 mi. Canton-Canal Dover Rd. 70, Sect. 2-C, 8,792 sq.yd. vitr. brick, 9,506 lin. ft. concrete curbing and 12,151 cu.yd. earth excav., etc., to Culbertson & Casper, 806 3d St., S.W., $43,368; 0.93 mi. Navarre-Berlin Rd., 79 Sect. F, Wilmot, 8,799 sq.yd. vitr. brick, 9,869 lin.ft. concrete curbing and 8,308 cu.yd. earth excav., to G. W. Hadley, Canton, $40,116.

O., Cleveland—Cuyahoga Co. grading, curbing and paving Lloyd Rd., 6,630 sq. yd. vitr. brick, 3,820 cu. yd. earth excav., 1,170 cu. yd. 6 in. concrete base, etc., to Barber-Forten Co., Warren, $33,750.

O., Cleveland Heights (Warrensville, P. O.)—Paving Coventry Rd., 5,650 lin.ft. stone curbing, 1,500 cu.yd. earth excav., 4,920 sq.yd. waterbound macadam and 70,000 sq.ft. 6 in. concrete base, to Cleveland-Trinidad Paving Co., The Arcade, Cleveland, $42,251.

O., Lakewood (Cleveland, P. O.)—Asphalt paving Lakeland Ave., to Cleveland-Trinidad Paving Co., The Arcade, Cleveland, $31,458; Parkwood and Chesterland Aves., also Richland Ave., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $55,735 and $32,229 respectively. Noted Oct. 13

Ill., Joliet—Paving Buell Ave., asphalt on concrete, to J. V. McCarthy, 220½ Main St., Davenport, Ia., $33,627. Noted Oct. 13.

Ia., Clinton—Clinton Co. following contracts, grading 16.66 mi. Primary Rd. Project 125, from Cedar Co. line east toward De Witt, to F. J. McCaughey, Chicago, 78,684 cu.yd. excav., at $0.274 per cu.yd., McAndrew & Hannahs, Keokuk, 65,649 cu.yd., $0.27.

Ia., Le Mars—Plymouth Co., following contracts grading 13.21 mi. Primary Rd. Project 74, from Woodbury Co. line northeast through Hinton, and from here, north to Sioux Co. Line to G. W. Condon, 510 Farnam Bldg., Omaha, Neb., 107,323 cu.yd. excav., at $0.154 cu.yd.; W. R. Shipman, Sioux City, 66,958 cu.yd., $0.18. Noted Sept. 29.

Kan., Lawrence—Douglas Co. surfacing various streets, vitr. brick and asphalt on concrete to Cook & Stucker, Ottawa, $123,391.

Kan., Minneapolis — Paving, grading, curbing and guttering various streets, $30,000. Work will be done by day labor. L. W. Rexroad, Minneapolis, engr. in charge. Noted Sept. 29.

Kan., Troy—Doniphan Co. grading and surfacing Federal Aid Project 87, bituminous macadam, to E. Fuler, Troy, $29,999. Noted Sept. 8.

Missouri—State Hy. Dept. at div. office Lancaster, 6.09 mi. road from Lancaster eastward and southward, State Aid Project 20.48, Schuyler Co., to Co. Cox Bros., Dike, Ia., $25,006. Noted Sept. 29.

Missouri—State Hy. Dept., Jefferson City, 4.09 mi. road from Urbana southward, State Aid Project 20.84, Dallas Co., to C. F. Johnson & Son, Buffalo, $11,122; 7.2 mi., State Aid Project 20.83, Laclede Co., to Case & Killian, Marshfield, $23,386; 3.02 mi. road from Sarcoxie westward, State Aid Project 20.89, Jasper Co., 8,061 cu. yd. excav., 122.8 cu.yd. concrete masonry, to M. E. Gillioz, Monett, $7,432; 2.38 mi. road from Paris westward, State Aid Project 20.86, Monroe Co., 15,260 cu. yd. excav., 57.6 cu. yd. concrete masonry, to H. Washam, Brookfield, $11,208; 1.53 mi. road from Paris southward, State Aid Project 20.85, Monroe Co., 9,737 cu. yd. excav., 55.8 cu. yd. concrete masonry, to J. H. Hartman, R. F. D. 7, St. Joseph, $5,533; 5.76 mi. road from Hartville southward, State Aid Project 20.73, Wright Co., 22,999 cu. yd. excav., 1,145.8 cu.yd. concrete masonry, to Alexander & Baity, Springfield, $21,643; 2.47 mi. road from Luray westward, State Aid Project 20.5, Clark Co., 27,393 cu. yd. excav., 141.8 cu. yd. concrete masonry, to M. H. and G. H. Turner, Wyaconda, $12,552; 7.2 mi. road from Osage Co. line northward, State Aid Project 20.98, Maries Co., 29,942 cu. yd. excav., 65.9 cu. yd. concrete masonry, to T. J. Terry, Vienna, $14,976; 3.65 mi. Delta Special State Rd., State Aid Project 20.82, Cape Girardeau Co., 10,576 cu. yd. excav., 21,982 cu. yd. borrow, 66.6 cu.yd. concrete masonry, etc., also 5.49 mi. road from Phelps Co. line northward, State Aid Project 20.99, Maries Co., 26,047 cu. yd. excav., 127.4 cu. yd. concrete masonry, to Allhand & Davis, Joplin, $14,657 and $20,243 respectively. Noted Sept. 15.

Mo., Bloomfield—Stoddard Co. grading and gravel surfacing, 30 mi. road, to Walb Constr. Co., La Grange, Ind., $211,128.

Mo., Mexico—Improving Liberty St., bituminous macadam on concrete, to R. A. Powell, Mexico, $27,000. Noted Sept. 22.

Mo., St. Joseph—Curbing, guttering and surfacing Frederick Ave., asphalt on concrete, to Land Constr. Co., Ballinger Bldg., $96,100. Noted Sept. 29.

Tex., Canton—Van Zandt Co. grading and gravel surfacing 29.6 mi. Dixie Highway, State Highway 15, to T. A. Griffin, 411 North Texas Bldg., Dallas, $85,968. Noted Oct. 6.

Tex., Crockett—Houston Co. grading and sand clay surfacing 13.73 mi. State Highway 21, to Smith Bros., Crockett, $125,596. Subject to approval of State Hy. Dept. Noted Oct. 6.

Tex., Ft. Worth — Tarrant Co. paving 13.36 mi. Ft. Worth-Hicks Rd., 2 in. uvalde rock asphalt, to General Constr. Co. 403 Cotton Exch. Bldg., $218,057; 6.84 mi. Highway 1, Kuteman Cut-Off Rd., 2 in. uvalde rock asphalt, to H. K. McCollum Constr. Co., 224 Texas State Bank Bldg., $113,325. Noted Sept. 22.

Col., Boulder—Paving Dist. 13, asphalt, to Strang-McGuire Co., Salt Lake City, Utah, $34,666.

Cal., Los Angeles — Bd. Supervs. Los Angeles Co., paving, curbing, guttering and building culverts in 7 streets, Rd. Dist. 198, to W. D. McCray, 424 Amer. Bank Bldg., $74,400. Noted Oct. 13.

Que., Montreal—To F. Lapau, 601 Locordaire St., paving St. Germaine St., $6,623. St. Hubert St., $3,390; Rondon, Collier & Cie, 3227 Christophe Colombe St., Kelly St., $9,551, Michaud St., $4,071; Duranceau & Duranceau, 162 Hamilton St., Wurtole St., $5,189, Monkland St., $1,600, St. Hubert St., $7,425. Noted Sept. 29.

Industrial Works

PROPOSED WORK

Mass., Boston—O'Brien Bros., West 4th St., South Boston, having plans prepared by Dow, Harlow & Kimball, archts., 101 Tremont St., South Boston, 4 story, 51 x 170 ft. brick factory. $125,000.

N. Y., Buffalo—See "Miscellaneous."

N. J., Trenton—C. Harrison, Jr., 923 Carteret Ave., plans 4 story, 60 x 80 ft. brick and concrete factory, Barlow and Bapton Sts. $125,000.

Pa., Connellsville—Rainbow Lines, Inc., having revised plans prepared by H. C. Frank, archt., Connellsville, and soon receives bids, 2 and 3 story 111 x 178 ft. terminal freight building. $120,000.

D. C., Wash.—Knickerbocker Ice Co., 1480 Bway., New York, opens bids about Oct. 25, for ice plant, here. $250,000. Private plans. C. L. Weir, engr.

W. Va., Point Pleasant — Auto-Motor Corp. opens bids about Nov. 15, 4 story factory, 3 units. $250,000. Architect not announced.

N. C., Pilot Mountain—City votes Nov. 3, on $40,000 bonds for power plant. J. F. Kirkman, mayor.

O., Cleveland—P. R. Morren Fdry., 4260 East 98th St., had plans prepared 1 story, 40 x 102 ft. and 16 x 70 ft., brick and steel foundry and pattern shop, plain foundation, 10010 Dunlap Ave. $40,000. Private plans.

O., Cleveland—Richmond Bros., 1600 East 55th St., had plans prepared by Christian-Schwartzenberg & Gaeda, archts., 1900 Euclid Ave., 1 story, 66 x 90 ft., brick and steel garage, plain foundation, 1600 East 55th St. $40,000.

Ill., Pekin—Conaghan Motor Co. having plans prepared by J. Zimmer, archt., 217 Court St., 1 story, garage, brick, stone and steel.

Wis., Fox Lake—R. F. Clark, eBaver Dam, plans 2 story, 60 x 85 ft., rein.-con.,

Industrial Works (Continued)

steel and brick cannery on Main St., here. $45,000. Architect not selected.

Wis., Kaukauna—Valley Pulp Co., having plans prepared by O'Keefe & Orbison, archts. and engrs., College Ave., Appleton, for 30 ton pulp mill, brick, concrete and steel, plain foundation.

Wis., Madison—The Purcell Wischau Co., 219 East Washington Ave., opens bids about Oct. 31, 2 story, 117 x 132 ft., rein.-con., steel and brick garage on West Gilman St. $125,000. Private plans.

Wis., Milwaukee—Stearns Sales Agency, 156 Farwell Ave., plans 2 story, 50 x 150 ft., brick and concrete garage, plain foundation, Farewell Ave. $70,000. Architect not selected.

Wis., Soldiers Grove—Peterson Estate Co. having plans prepared by E. E. Dillon, engr., Washington Bldg., Madison, for 50 x 190 ft. addition to electric power plant. $150,000. C. Peterson, mgr.

Mo., Carthage—Carthage Superior Spring Bed Mfg. Co. plans 2 story, brick and steel factory. $40,000. Architect not selected.

Mo., St. Joseph—Grant Motor Co., 9th and Felix Sts., having plans prepared 1 story, 120 x 140 ft., brick and steel garage, 10th and Francis Sts. $55,000. Architects name withheld.

Mo., St. Louis—Chester Iron & Fdry. Co., c/o A. J. Schaelleh, pres., 7800 Vulcan St., having plans prepared by L. Haeger, archt., 3834 Utah St., 1 story, 45 x 117 ft., brick and steel foundry. $40,000.

Mo., St. Louis—B. Gustavson, 1538 Tower Grove, having plans prepared by Wedmeyer & Nelson, archts., Wainwright Bldg., 1 story, 41 x 175 ft., rein.-con. and brick garage. $45,000.

Tex., Edinburg—See "Waterworks."

Okla., Marlow—City having plans prepared by V. V. Long & Co., engrs., Colcord Bldg., Oklahoma City, addition to power plant. $55,000.

Col., Denver—Denver Auto Hotel Co., Central Savings Bank Bldg., having plans prepared by W. N. Bowman, archt., Central Savings Bank Bldg., 6 story, 100 x 125 ft. brick, steel and terra cotta garage, Lawrence St. between 14th and 15th Sts. $150,000.

BIDS DESIRED

Mass., Boston—Oct. 27 by McNaughton & Cleverdon, archts., 19 Congress St., 1 story 300 x 400 ft. machine shop, brick and concrete, near Locust St., for Meisel Press Mfg. Co., 944 Dorchester Ave. $300,000.

Pa., Pittsburgh—Shanahan Transfer Co., 5th Ave., receiving bids 6 story, rein.-con. and steel storage, Penn and Braddock Sts. $80,000. T. E. Cornelius, Magee Bldg., archt.

Mont., Bozeman—See "Buildings."

Mont., Missoula—See "Buildings."

O., Cleveland—Pavelka Bros., 2978 East 37th St., receiving bids 1 story, 57 x 65 ft., brick and steel factory addition, plain foundation, East 37th St. and Bway. $40,000. Anders & Reimers, Erie Bldg., archts.

Mo., Salisbury—Oct. 26, by Salisbury Sanitary Ice & Supply Co., 2 story, brick and steel plant. $50,000. Black & Co., Salisbury, archt.

Mo., St. Louis—Oct. 25, by A. S. Alschuler, archt., 28 East Jackson Blvd., Chicago, 199 x 331 ft. brick and steel garage, 15th and Walnut Sts., here, for S. Simon, c/o Williams & Bland, 717 Chestnut St. $100,000.

BIDS RECEIVED

O., Cleveland—Steam boiler plant for new public hall (now under construction), from Chappel-Warren Co., St. Clair Ave., $81,700; Smith & Obey, Carnegie Ave., $87,400.

CONTRACTS AWARDED

Mass., Somerville (Boston P. O.)—M. Kingston, c/o B. Brown, engr., 88 Broad St., Boston, 3-story, brick factory, here, $100,000. Work will be done by day labor.

Mass., South Boston—(Boston, P. O.) Berger Mfg. Co., 450 Bway, 2 story, 100 x 240 ft., storehouse and office building, brick, Dorchester St., to Joslin & Landry, 161 Devonshire St., Boston, $160,000.

R. I., Woonsocket—Regina Auto Sales Co., Front St., 2 story, 60 x 80 ft., brick and steel garage and repair shop, plain foundation, Front St., to J. F. Fleurant & Son, Rathbun St., $40,000.

N. Y., Eastwood—Lamson Co., 196 Walker St., Lowell, Mass., tube and carrier factory, here, to Aberthaw Constr. Co., 27 School St., Boston, $600,000. Noted Aug. 25.

N. Y., New York—See "Buildings."

N. Y., Ozone Park (Jamaica P. O.)—Kops Bros., 120 East 16th St., New York, rein.-con. and steel factory, concrete pile foundation, here, to Turner Constr. Co., 244 Madison Ave., New York, $100,000.

Pa., Phila.—Brownhill & Kramer, c/0 H. A. Brownhill, 406 Memphis St., 3 story, 80 x 80 ft. rein.-con. and steel factory, plain foundation, to W. Steele & Sons, 1600 Arch St., $60,000.

Pa., Phila—Queens Brooks Co., c/o J. S. Queens, American and Diamond Sts., 5 story, 55 x 200 ft. terra cotta and brick factory, 5th and Huntington Park Aves., to H. P. Schneider, 3717 York Rd., $150,000.

Pa., Pittsburgh—A. Schmitz, Penn Ave., 1 story, concrete, brick and steel garage, plain foundation, Penn Ave., to Dresser-Minton, The Arcade, Cleveland, O., $50,000.

Pa., Pittsburgh—Standard Underground Cable Co., Westinghouse Bldg., brick and steel addition to plant between 16th and 17th Sts., general to J. W. Cowper Co., Fidelity Bldg., Buffalo, N. Y., 1,300 ton steel, to McClintic-Marshall Co., Oliver Bldg. Total $500,000.

O., Cleveland—D. N. Goodman, 1327 East Blvd., 1 story, 47 x 97 ft., brick and steel garage and repair shop, plain foundation, East 14th St. and Webster Ave., to J. Baskin, 9215 Parkgate Ave., $40,000.

O., Cleveland—Tenfel Bros., 3317 West 65th St., 1 story, 40 x 81 ft., brick and steel garage, plain foundation, to Forschner Co., East 10th St. and St. Clair Ave., $40,000. Noted Nov. 25.

Mich., Detroit—Beaubien Ice & Coal Co., 4205 West Jefferson Ave., 1 story, brick, steel and concrete plant, plain foundation, Baker and Porter Sts., to Pine & Munnecke, Marquette Bldg., to exceed $40,000.

Ill., Chicago—Hinckley & Schmitt, 418 West Ontario St., 2 story, 100 x 200 ft., brick and timber factory addition, to H. F. Friestedt Co., 327 South LaSalle St., cost between $75,000 and $100,000. Noted Aug. 25.

Ill., Chicago—S. Porcaro, 2544 West Superior St., additional story to 72 x 120 ft. garage at 2435 Division St., to H. Kaplan Co., 2607 West Walton St. $40,000.

Ill., Zion—Zion Institutions and Industries, Administration Bldg., 1 story, 100 x 140 ft. brick and steel garage, by day labor under supervision R. Steel, mgr. $50,000. Noted Oct. 13.

Wis., Manitowoc—Brewer Mfg. Co., Meadow Lane, 1 story, 60 x 130 ft., steel and brick factory, to W. Yeman, Manitowoc, $50,000.

Wis., Milwaukee—Hanson & Phillips, Kinnickinnic and Logan Aves., 1 story, 100 x 110 ft. concrete garage, plain foundation, Kinnickinnic Ave., to T. Burazin, 234 Clement Ave., $40,000. Noted Oct. 6.

Ia., Davenport—Crane Co., 600 East 4th St., 3 story brick and steel factory, to Priester Constr. Co., Putman Bldg., $85,000. Noted Jan. 13.

Ia., Des Moines—Mennig-McCord, East 26th St. and Dean Ave., 3 story, 42 x 180 ft. brick and steel factory, to A. H. Newmann & Co., Hubbell Bldg., $55,000.

Mo., Kansas City—Artzcraft Broom Co., 1423 Kansas Ave., 2 story, 65 x 127 ft., brick and steel factory, 14th St. and Kansas Ave., to A. E. Maderieco Produce Exch. Bldg., $75,000. Noted Oct. 13.

Mo., St. Louis—Sieloff Packing Co., 4339 Natl. Bridge Rd., 2 story, 120 x 120 ft., rein.-con. and brick storage plant, Sacramento and Newstead Sts., to H. O. Hirsch & Co., Wainwright Bldg., $75,000. Noted June 30.

Mo., St. Louis—St. Louis & San Francisco Ry., Frisco Bldg., 1 story, 40 x 130 ft. brick and steel machine shop, 3865 Cheateau Ave., to Globe Constr. Co., Chemical Bldg., $55,000. Noted Oct. 6.

Que., Montreal—Provincial Government, Quebec, converting jail on Craig and Delormier Aves. into warehouse, also 5 story, 128 x 145 ft. rein.-con. wing, to O. Archambault, 610 Parc Lafontaine, $245,000, plumbing and heating, to Conroy Bros., Centre St., $28,400.

Ont., Kingston—Queens University, 207 William St., and Kingston General Hospital, Stuart St., concrete, brick and steel heating plant, to P. McCoy, 37 Beverley St., $125,000. Noted Sept. 15.

Buildings

PROPOSED WORK

Mass., Boston — High School — Having plans prepared by C. H. Walker, archt., 120 Boylston St., 2 story, 70 x 220 ft., brick, Poplar St. $175,000.

Mass., West Roxbury (Boston P. O.) —School—School Comn., 1009 City Hall Annex, having plans prepared by Wells & Dana, archts., 384 Boylston St., Boston, 3 story, brick and concrete addition, Oak Sq. $250,000.

Conn., Meriden—Hospital—C. S. Palmer, archt., 114 Whitney Ave., New Haven, opens bids about Oct. 31, 4 story, 50 x 150 ft. brick, concrete and steel addition, plain foundation, at City Hospital, Cook Ave. $350,000. Noted Aug. 18.

N. Y., Brooklyn — Apartment — Acunto Constr. Co., c/o Shampan & Shampan, archts. and engrs., 50 Court St., having plans prepared 4 story, brick, steel and stone, concrete pile foundation, 20th Ave. $200,000.

N. Y., Buffalo—Store and Office—S. G. Hurst Business School, Brisbane Bldg., plans 6 story, modern fireproof construction, on 110 x 183 ft. site on Huron St. Cost to exceed $300,000.

N. Y., New Rochelle—Professional—Professional Office Bldg. Corp., 175 Centre Ave., soon lets contract 4 story, brick, steel and stone, plain foundation, Huguenot St. $200,000. Townsed, Steinle & Haskell, 8 West 40th St., New York, archits. and engrs.

N. Y., New York—Apartment—Shamokin Realty Corp., 609 West 48th St., having plans prepared by H. B. Mulliken, archt. and engr., 609 West 48th St., 15 story, 100 x 105 ft., brick, steel and stone, concrete pile foundation, 7th Ave. and 57th St., $1,300,000.

N. Y., New York—Apartment—Wadnick Bldg. Corp c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., had plans prepared 5 story, brick, steel and stone, pile foundation, 603 West 192d St. $200,000.

N. Y., New York—Apartment—Zedge Realty Co., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 5 story, brick, steel and stone, concrete pile foundation, Bway. and Academy St., $15,000. Work will be done by separate contracts.

N. Y., New York—Community House—Church of All Nations, c/o Buchman & Kahn, archts. and engrs., 56 West 45th St., soon lets contract 4 story, brick, steel and stone, plain foundation, 1st St. and 2d Ave.

N. Y., New York—Hotel—Commonwealth Hotel Constr. Co., 18 East 41st St., had plans prepared by Starrett & Van Vleck, archts., 8 West 40th St., and King & Campbell, archts., 36 West 40th St., 30 story, brick, steel and stone, concrete pile foundation, 7th Ave., Bway., 55th and 56th Sts. $10,000,000.

N. Y., New York—Theatre—Coleman Bros. having plans prepared by E. De Rosa, archt. and engr., 110 West 40th St., brick, steel and stone, plain foundation, Burnside Ave. between Jerome and Walton Aves., $600,000.

N. Y., New York—Theatre—Ogden Amusement Co., c/o E. De Rosa, archt. and engr., 110 West 40th St., brick, steel and stone, plain foundation, Ogden Ave., $400,000.

D. C., Wash.—Memorial—George Washington Memorial Society and Dept. Pub. Buildings and Grounds soon receive bids memorial to World War Veterans. Cost millions. Col. Sherrill, engr. in charge.

N. C., High Point—Bank and Office—Commercial Natl. Bank opens bids about Jan. 1, 10 story, 50 x 115 ft. $1,000,000. C. G. Hartman, Greensboro, archt.

N. C., Laurinburg — Schools — Having plans prepared by W. G. Rogers, archt., 502 Trust Bldg., Charlotte, 12 room high school and 8 room addition to grade school, brick and stone. $150,000.

O., Cleveland—Church and School—Our Lady of Peace Church, c/o J. F. Cummin, pastor, 12101 Woodland Ave., had plans prepared by E. T. P. Graham, archt., 20 Beacon St., Boston, 3 story, 60 x 146 ft., brick, steel and concrete, plain foundation, East 126th St. and Buckinham Ave. $150,000.

Mich., Detroit—Clubhouse—G. D. Mason Co., archt., 508 Griswold St., opens bids about Oct. 25, 3 story, 80 x 350 ft. rein.-con. and brick, wood pile foundation, Belle Isle, for Detroit Yacht Club, Belle Isle. $500,000. Noted Aug. 25.

Buildings (Continued)

Ill., Champaign—Apartment and Store—H. Nash, Trevett Mattis Bank, will soon take bids 3 story, 140 x 140 ft. $150,000. G. Ramey, Roberson Bldg., archt.

Ill., Chicago—Restaurant—R. G. Schmid & Co., archts., 154 West Randolph St., soon receive bids 2 story, 100 x 100 ft., concrete on Sheridan Rd. and Wilson Ave., for Garibaldi & Cuneo, 1 West South Water St. $150,000.

Ill., Quincy—Theatre and Office—Pinkelman & Cory, Gem Theatre, having plans prepared by D. S. Klafter, archt., 64 West Randolph St., Chicago, 8 story, 100 x 195 ft., brick and steel, Washington Sq. $1,000,000.

Wis., Milwaukee — Church — Kirchoff & Rose, archts., 221 Grand Ave., opens bids about Oct. 28, 50 x 120 ft., brick and steel, plain foundation, 54th St., for Mt. Olive Lutheran Congregation, 529 Sherman St. $150,000. Noted April 21.

Wis., Whitewater—Normal School—Bd. Normal School Regents, c/o W. Kittle, secy., Capitol Bldg., Madison, having preliminary plans prepared by A. Peabody, archt., Capitol Bldg., Madison, for 5 story, 60 x 250 ft., brick, rein.-con. and steel, here. $250,000.

Minn., Minneapolis — Store and Office — Bereoles & Brachos, Billings, Mont., having plans prepared by Croft & Boerner, archts., 1006 Marquette Ave., 4 story, 50 x 165 ft., rein.-con., steel brick and tile, 8th St. and Hennepin Ave., here. $200,000.

Minn., St. Paul—School—Dept. Educ. having plans prepared by C. A. Hausler, city archt., 3 story, 70 x 260 ft., rein.-con., brick, tile and stone, Garfield and Western Aves. $350,000. L. S. Ferguson, comrs.

Kan., Parsons — Hospital — Missouri, Kansas & Texas R.R. Hospital Bd., having plans prepared by Robertson & Griesenbeck, archts., South West Life Bldg., Dallas, for hospital between Clark, Stevens, 30th and 31st Sts. $200,000.

Kan., Wellington—Auditorium—City having plans prepared by C. Boller & Bros., archts., Ridge Bldg., Kansas City, 2 story, 120 x 190 ft., brick, stone and rein.-con. $200,000. O. J. Hackney, clk.

Ont., Ottawa—High School—Ottawa Collegiate Bd., 7 Monkland Ave., having plans prepared by J. A. Ewart, archt., Jackson Bldg., Bank St., brick and steel, Crysler Ave. $750,000.

BIDS DESIRED

N. Y., New York—School—Oct. 24, President Bd. Educ., 500 Park Ave., P. S. 58, 4 story, 90 x 105 ft. brick, steel and stone, plain foundation, East 176th St. and Washington Ave., $500,000. C. B. J. Snyder, Municipal Bldg., archt. and engr. Noted Sept. 1.

N. Y., Onondago Valley—School—Oct. 27, by R. T. Anderson, pres. Bd. Educ., 2 story, rein.-con. and steel. $300,000. M. L. King, Snow Bldg., Syracuse, archt. and engr.

N. J., Palmyra—High School—Oct. 26, by School Bd., 2 story, 124 x 154 ft., cut stone and brick, plain foundation, 5th St. and Delaware Ave. Cost to exceed $150,000. B. R. Stevens, 1737 Filbert St., Phila., archt.

N. J., Teaneck (Englewood P. O.)—School—Nov. 1, by Bd. Educ., alterations and additions to School 1, southerly side, Oakdene Ave. C. V. R. Bogert, 167 Main St., Hackensack, archt.; adv. this issue.

O., Cleveland—Store and Apartment—L. Cahn, 10615 Grantwood Ave., receiving bids 3 story, 69 x 85 ft., brick and steel, plain foundation, Cedar Rd. and Edgehill Ave. $150,000. A. F. Janowitz, Permanent Bldg., archt.

O., Elyria—School—Oct. 24, by Bd. Educ., 2 story, brick, steel and concrete addition, plain foundation. $25,000. R. S. Silsby, Eyiria, archt.

Ind., Hammond—Apartment Hotel—H. L. Newhouse, archt., 4630 Prairie Ave., Chicago, taking bids 4 story, 35 x 118 ft., rein.-con., brick and steel, for Merchants Impvt. Assn., Hammond. $150,000.

Ind., Michigan City—Theater—H. L. Newhouse, archt., 4630 Prairie Ave., Chicago, taking bids 1 story, 65 x 165 ft. rein.-con., brick and terra cotta, for Wallerstein Bros. $200,000. Noted March 31.

Mich., Bridgman—School—Nov. 7, by E. Myers, secy. Bd. Educ. 2 story, rein.-con. and brick, plain foundation. $150,000. R. A. LeRoy, Kalamazoo, archt.

Ill., Chicago — Apartment — Holabird & Roche, archts., 104 South Michigan St., receiving bids 3 story, 89 x 125 ft., fireproof construction, 1616 Jonquil Terrace. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—H. J. Leidberg, archt., 154 West Randolph St., receiving bids 3 story, 100 x 173 ft., fireproof construction, Greenleaf Ave. and Sheridan Rd. $175,000. Owners name withheld.

Ill., Chicago — Apartment — Thorne & Brenman, c/o W. Thorne, 10 South La Salle St., taking bids 3 story, 100 x 150 ft., brick and concrete, Kenmore and Glenlake Aves. $160,000. R. F. France, 155 North Clark St., archt. Noted Sept. 22.

Ill., Chicago—Hotel—A. Swanson, c/o T. R. Bishop, archt., 35 South Dearborn St., taking bids 3 story, 84 x 146 ft., rein.-con., steel and brick, on Kenmore and Winthrop Aves. $190,000.

Ill., Chicago—Store—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 4 story, 100 x 132 ft., 63rd and Drexel Aves., for Hartman Furniture Co., 39th St. and Wentworth Ave. $200,000. Noted June 16.

Ill., Chicago—Store and Office—D. S. Klafter, archt., 64 West Randolph St., receiving bids 3 story, 85 x 103 ft., brick and steel on Michigan Ave. and Walton St., for Michigan Walton Bldg. Corp., 110 South Dearborn St. $150,000.

Ill., Chicago — Synagogue — H. L. Newhouse, archt., 4630 Prairie Ave., taking bids, 2 story, 90 x 140 ft., rein.-con. and brick, Homan Ave. and Douglass Blvd., for Congregation Anshel Sholem, c/o architect. $250,000.

Ill., Chicago — Theater — Roosevelt Road Theater, c/o S. Blair, 155 North Clark St., taking bids 2 story, 72 x 125 ft., concrete and steel, granite and terra cotta front, 1731-9 Roosevelt Rd. $150,000. M. L. Bein, 139 North Clark St., archt.

Ill., Martinsville—High School—Oct. 25, by Bd. Educ., c/o J. C. Brydon, secy., 2 story, brick and steel. $150,000. Johnson, Miller & Miller, 105 South 7th St., Terre Haute, Ind., archts. Noted July 2.

Ill., Oak Park—Apartment—A. S. Alschuler, archt., 28 East Jackson Blvd., Chicago, receiving bids 3 story, 107 x 170 ft., concrete and brick on Washington Blvd. and Wisconsin St., for Washington Arms Bldg. Corp. $175,000.

Ill., Oak Park — Apartment — A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 3 story, 100 x 150 ft., concrete and brick, Ridgeland Ave. and Washington Blvd., for Ridgeland Arms Bldg. Corp. $175,000.

Ill., Peoria—School—Nov. 5, by Bd. Educ. c/o G. Mitchell, and A. Kiefer, archt., Jefferson Bldg., 2 story, 100 x 150 ft. $175,000.

Ill., Raymond—High School—Oct. 25, by Bd. Educ. and F. J. Klein, archt., 331 Main St., Peoria, 2 story, 80 x 150 ft., rein.-con., brick and stone. $150,000. A. Jones, pres.

Ill., Rockton—High School—Nov. 1, Bd. Educ. and J. C. Lewellyn, archt., 38 South Dearborn St., Chicago, 2 story, 114 x 162 ft., rein.-con., brick and stone $150,000. C. E. Phelps, secy.

Ill., Sterling — School — Oct. 31, by Bd. Educ., 2 story, 100 x 200 ft., brick and stone. $250,000. Ashby-Ashby & Schultz, 1511 West Jackson Blvd., Chicago, archts. Noted May 26.

Wis., Kenosha—Theater, Store and office—W. H. Pruyn, archt., 122 South Michigan Ave., Chicago, receiving bids 3 story, 80 x 150 ft., for Wisconsin Theater Co., 228 Milwaukee Ave. $300,000.

Wis., Marathon—Dormitory and School—H. T. Liebert, archt., 69 Wisconsin St., Milwaukee, receiving bids for materials for 2 story, 80 x 160 ft., brick and tile, plain foundation, for St. Anthony Monastery. Total $150,000. Bids on construction in early spring.

Wis., Wauwatosa—School and Auditorium—Backes & Pfaller, archts., 216 West Water St., Milwaukee, receiving bids 2 story, 94 x 112 ft. and 1 story, 45 x 80 ft. brick and concrete, plain foundation, Blue Mound Rd., for Holy Cross Catholic Congregation. $150,000. Noted Aug. 25.

Kan., Osawatomie — Hospital — Nov. 8 (change of date) by State c/o J. A. Kimball, Topeka, 2 story, here. $150,000. R. Gamble, 1415 Fillmore St., Topeka, archt. Noted Sept. 29.

Mont., Bozeman—Engineering, etc.—Dec. 20, by State Bd. Trustees, Helena, engineering building, $250,000, engineering shops, $100,000, F. Wilson, Bozeman, archt.; gymnasium, $225,000, biology, $175,000, G. Shanley, Great Falls, archt.; heating plant, building only, $40,000, F. Wilson, Bozeman, archt.; heating plant, $110,000, Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., archts. All at College of Agriculture and Mechanic Arts, here. Noted June 30 and Sept. 15.

Mont., Butte—Metallurgical—Dec. 20, by State Bd. Trustees, Helena, metallurgical building, at State School of Mines, here. $200,000. F. Hammill, Columbia Gardens, archt. Noted June 30.

Mont., Missoula—Library, etc.—Dec. 20, by State Bd. Trustees, Helena, library, $25,000, McIver & Cohagen, 407 Electric Bldg., Billings, archts.; gymnasium, $225,000, G. Carsley, Helena, archt.; forestry building, $100,000, O. Bakke, Gibson Bldg., archt.; dormitory for women, $125,000, dormitory for men, $100,000, Link & Haire, 317 Electric Bldg., Billings, archts.; heating plant, building only, $40,000, O. Bakke & C. J. Forbis, Gibson Bldg., archts.; heating plant, $110,000, Pillsbury Co., 1200 2nd Ave., S., Minneapolis, Minn., archts. All at State University, here. Noted June 30.

Mo., Kansas City—Institute—Oct. 25, by C. A. Smith, archt., Finance Bldg., 2 story, 88 x 100 ft., brick, rein.-con. and terra cotta addition, Grand and Missouri Aves., for Helping Hand Institute, c/o E. T. Brigham, 523 Grand Ave, $150,000.

Mo., Mexico—Hotel—Oct. 25, by B. C. Elliott, archt., 116 Jefferson Ave., 5 story, 71 x 110 ft., rein.-con. and brick addition, for Hoxey Hotel Co. $200,000. Noted Feb. 24.

Tex., Cisco—High School—Oct. 25, by city c/o Mayor, 2 story, brick, rein.-con. and stone. $175,000. Robertson & Griesenbeck, Southwest Life Bldg., Dallas, archts.

BIDS RECEIVED

Wis., Merrill—High and Grade Schools—Bd., addition to high school from C. G. Torkelsom, Merrill, $172,200; H. J. Selmer Co., McCartney Natl. Bank, Green Bay, $176,937; Hutter Constr. Co., Western Ave., Fond du Lac, $179,837; new grade school, from W. H. Farley, New Lisbon, $60,000; Graham & Babcock, $60,500; H. J. Selmer Co., McCartney Natl. Bank, Green Bay, $61,473. Both brick and concrete, plain foundations. Noted Sept. 29.

CONTRACTS AWARDED

Mass., Dorchester—Synagogue—Congregation Agudath Israel will build 3 story, 58 x 101 ft. brick, Woodrow St. $160,000. Work wil be done by day labor.

Mass., Hull—Fire and Police Station—For 3 story, 52 x 120 ft. and 1 story, 60 x 88 ft., brick, stone and steel, Atlantic Ave., to S. C. Sperry Co., Main St., Cambridge, $164,274. Noted Oct. 6.

Mass., Lawrence — Temple — Lawrence Masonic Assn., 3 story, brick, steel and concrete, plain foundation, Jackson St., to E. A. Peabody & Son, Bay State Bldg., $150,000.

Mass., Sharon—School—For 2 story, 40 x 80 ft. and 60 x 100 ft. brick, Main St., to J. A. Munroe, North Atleboro, $150,000.

Mass., Springfield—High School—Comrs. City Property, Administration Bldg., 4 story, 125 x 150 ft., brick and steel, plain foundation, State St., to F. T. Ley Co., Inc., State and Main Sts. $461,750. Noted Sept. 22.

Mass., Wakefield—High School—Bd. Educ. 3 story, 50 x 150 ft., and 86 x 208 ft. brick on Main St., to C. H. Cunningham & Sons, Lynn, $300,000.

R. I., Howard—Hospital—Penal & Charitable Comn., State House, Providence, 1 and 2 story, brick and timber messhall, kitchen, chapel, connecting corridors, here, to Mahoney & Tucker, Weybosset St., Providence, $132,227.

R. I., Providence—High School—For 3 story, 300 ft. front, with 2 wings, 180 ft. deep, concrete, plain foundation, Pond St., to C. S. Cunningham, Little Bldg., Boston, $569,000; heating and ventilating, to Grinnell Co., 275 West Exchange St., $50,000; plumbing, to E. J. Sullivan, 87 Brook St., $25,375; electrical work, to W. and J. Electric Co., 385 Westminister St., $24,340. Noted Sept. 22.

Conn., Waterbury — Parish House — St. John's Protestant Episcopal Parish, Church and West Main Sts., 2 story, 50 x 130 ft. stone, terracotta, brick and steel, Church St., to Tracy Bros. Co., 52 Benedict St. $150,000. Noted Sept. 15.

N. Y., Brooklyn—Apartments—Pluckets Realty Co., 1199 Eastern Parkway, two 4 story, 75 x 115 ft., brick, steel and stone, concrete pile foundations, Union St., $150,000 each. Work will be done by day labor. Cohn Bros., 361 Stone Ave., archts. and engrs.

N. Y., New York—Apartment—Hillside Building Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 5 story, brick, steel and stone, concrete pile foundation, Nagle Ave. $250,000. Work will be done by day labor.

N. Y., New York—Apartment—Occidental Holding Co., c/o L. A. Abramson, archt.

Buildings (Continued)

and engr., 48 West 46th St., 6 story, brick, steel and stone, concrete pile foundation, 144 Claremont Ave. $200,000. Work will be done by day labor.

N. Y., New York—Clubhouse—Society of Professional Automobile Engineers, Bway. and 67th St., 5 story, 75 x 100 ft., brick, steel and stone, 153 West 64th St., to G. Colon & Co., 81 East 125th St. $300,000. Noted May 12.

N. Y., New York—Store, etc.—Ludwig Bauman & Co., 8th Ave. and 35th St., 12 story, brick, steel and stone, store, office and warehouse, plain foundation, 8th Ave. between 35th and 36th Sts., to G. R. Davis & Co., 30 East 42d St.

D. C., Wash.—Store and Office—G. N. Roy, 1147 Connecticut Ave., N. W., 6 story, brick and rein.-con., to C. H. Tompkins, 1612 Pond Rd., N. W., $200,000. Noted Dec. 30.

N. C., Asheville—School—Asheville Normal Associated School, 4 story, 99 x 168 ft., brick, to Southern Ferro Concrete Co., Trust Co. of Georgia Bldg., Atlanta, Ga. $170,000.

N. C., Gastonia — Church — Main St. Methodist Church, brick and stone, to C. C. Spencer, Gastonia, $200,000.

N. C., Statesville — Hotel — Statesville Hotel Co., 5 story, to J. H. Gardner, Charlotte, $150,000. Noted April 14.

Fla., Orlando—Hotel—Orange Hotel Co. general contract 11 story, 100 x 105 ft., Orange and Oak Sts., to C. E. Hillyer, Lee St., Jacksonville, $550,000, cost plus percentage basis; steel, to Virginia Bridge & Iron Co., Roanoke, Va., $300,000. Noted July 28.

Fla., Tallahassee — College — Florida State College for Women, 3 story, concrete and brick, dormitory, science hall and addition to dining hall, to Southern Ferro Concrete Co., Trust Co. of Georgia Bldg., Atlanta, Ga., $168,760.

Ky., Louisville—Market—Louisville Sanitary Market Co., 1 story, 96 x 236 ft., concrete, brick and steel, 421-25 South St., to L. R. Figg Co., 2022 Rowan St., $187,182.

O., Dayton—Office—H. A. Toulmin, Jr., Schwind Bldg., 6 story, 40 x 160 ft., rein.-con., brick and terra cotta, 3rd and Wilkinson Sts., to J. E. Lowes, Schwind Bldg., $175,000.

O., Hiram—Dormitory and Science—Trustees Hiram College, 3 story, 44 x 102 ft., and 40 x 108 ft., brick, steel and concrete, plain foundation, to Parish Bros., Wick Ave., Youngstown, $200,000. Noted Sept. 29.

Mich., Detroit — Office — M. J. Dennedy, 1610 Longfellow Ave., 8 story, rein.-con., brick, steel and stone, plain foundation, Madison Ave., to Bryant & Detwiler, 2336 Dime Bank Bldg., $200,000.

Mich., Detroit—Office and Transportation—Street Ry. Comn., Murphy Bldg., 3 story, 60 x 218 ft., rein.-con., brick and steel, plain foundation, St. Jean and Shoemaker Aves., to Corrick Bros., Owen Bldg., $178,474. Noted Sept. 22.

Mich., Detroit — School — St. Augustine Parish, Davison and Justine Sts., 2 story, 156 x 170 ft., rein.-con., brick and steel, plain foundation, Davison and Justine Sts., to J. Sullivan, 1226 Campbell Ave. $175,000. Noted Sept. 22.

Mich., Detroit—Temple—Masonic Temple Assn., Lafayette Blvd., 4 and 6 story, 190 x 350 ft., rein.-con., brick, steel and stone, plain foundation, Temple Ave., masonry for 1st story, to H. G. Christman Co., 315 Stevens Bldg., structural steel frame, to Russel Wheel & Fdry. Co., Chene St. and Belt Line R. R. Total $4,000,000. Noted Aug. 25.

Ill., Chicago—Apartment—Anderson & Miller, c/o P. F. Olsen, archt., 127 North Dearborn St., 3 story, 200 x 217 ft., rein.-con., brick and stone, East Lake Terrace, to J. Anderson & Son, 5723 Winthrop Ave., $550,000.

Ill., Chicago—Apartment—G. B. Bumgardner, 215 North State St., 3 story, 150 x 190 ft. at 6930 Crandon Ave., masonry to Rutledge Bowe Constr. Co., 64 West Madison, carpentry to Olson & Johnson, 4736 Manor Ave. Total $275,000.

Ill., Chicago—Apartment—A. W. Wallen, 6712 North Clark St., 3 story, 120 x 125 ft., concrete and brick on North Clark St. and North Shore Ave., masonry to E. Edlunds, 6520 North Artesian Ave.; carpentry to Thorgerson & Ericksen, 4804 North Kedzie Ave. Total $175,000.

Ill., Chicago — Home — Cook Co., 519 County Bldg., 3 story, 50 x 135 ft., brick, rein.-con. and stone, Ogden and Roosevelt Aves., to J. W. Snyder Co., 122 South Michigan Ave., $670,000. Noted Sept. 1.

Ill., Evanston—Apartment and Store—Nazarian Bros., 1726 Sherman Ave., Chicago, 3 story, rein.-con., brick and stone, Clark St. and Sherman Ave., here, to C. T. Lundstrom, 133 West Washington St., Chicago. $160,000. Noted Oct. 13.

Ia., Des Moines—Office and Store—Northern Securities Co., Iowa Bldg., will build 3 story, 102 x 167 ft., rein.con., brick and terra cotta, 14th and Locust Sts. $150,000. Work will be done by day labor. C. E. Cope, R. & T. Bldg., archt.

Kan., Salina—Temple—Masonic Temple Assn., c/o E. A. Hiller, secy., Box 52, 3 story, brick and steel, to Eberhardt Constr. Co., Salina, $750,00.

Neb., Lincoln—School—Bd. Educ., Elliott School, 2 story, 120 x 195 ft., brick, tile and terra cotta, to C. C. Bickel, 617 East 16th St., University Place, $280,000. Noted July 21.

Mo., Kansas City — Church — Linwood Blvd. Presbyterian Church 2 story,, with 96 ft. tower, brick, stone, steel and terra cotta. $250,000. Work will be done by day labor under supervision of Greenbaum, Hardy & Schumacher, archts., Scarritt Bldg. Architect taking bids on all subs.

Mo., Kirksville—School—G. M. Laughlin 3 story, 96 x 100 ft., brick and stone, to L. F. Poehlman, Kirksville, $200,000. Noted Sept. 29.

Tex., Kerrville—Hospital—State American Legion, c/o S. B. Cowell, chn., Austin, 4 story brick, stone and rein.-con., here, to A. E. Johnson Constr. Co., Waco, $256,862.

Okla., Tulsa—Office—W. E. Wright, 211 Wright Bldg., 8 story, 46 x 104 ft., rein.-con., brick, stone and terra cotta, 3d and Denver Sts., to G. W. Langford Co., Columbia Bldg., cost plus percentage basis. Noted Oct. 13.

Cal., Long Beach—Apartment—Munholland & Co., 104 Pacific Ave., 9 story, rein.-con., brick, marble and terra cotta, Chestnut Pl. and Windsor Way, to Wallace-Bush-Skidmore Co., Los Angeles Ry. Bldg., Los Angeles, $300,000.

Cal., Los Angeles — Store — Hollywood Impvt. Co., 4 story, 78 x 119 ft., rein.-con. and terra cotta, Hollywood Blvd. and McCadden Pl., to Milwaukee Bldg. Co., Wright & Callender Bldg., $187,000.

B. C., Victoria—Hospital—Trustees Royal Jubilee Hospital Fort St., general contract 5 story, rein.-con. and brick, to Parfitt Bros., 1303 Gladstone Ave., $107,986. Noted Sept. 15.

Federal Government Work

PROPOSED WORK

D. C., Wash. — Paving — Spec. 4542 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans paving at Navy Yard, here.

Cal., San Diego — Cold Storage, etc. — Spec. 4543—Bureau Yards & Docks, Navy Dept., Wash., D. C., cold storage and refrigerator equipment in Naval Hospital, here.

Cal., San Diego — Ovens — Spec. 4540 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans Dutch ovens in Marine Barracks, here.

BIDS DESIRED

Vt., Vergennes—Monument—Nov. 22, U. S. Engineer, Room 710, Army Bldg., New York, monument, here; adv. this issue.

N. Y., Plattsburg—Monument—Nov. 15, U. S. Engineer, Room 710, Army Bldg., New York, monument, here; adv. this issue.

D. C., Bellevue—Rebuilding Boiler Setting—Spec. 4541—Oct. 26, Bureau Yards & Docks, Navy Dept., Wash., rebuilding boiler setting, here.

N. C., Cape Fear—Tower and Tank, etc—Nov. 8 Treas. Dept. Wash., D. C., steel tower, wood tank, piping etc, at U. S. Quarantine Station, here. J. A. Wetmore, acting superv. archt.

N. C., Cape Hatteras—Engine House—Spec. 4522—Oct. 26, Bureau Yards & Docks, Navy Dept., Wash., D. C., engine house, here.

Tenn., Memphis—Lumber—Oct. 25, at Office Mississippi River Comn., 1st and 2nd Dists., Customhouse; adv. this issue.

Ill., Chicago—Piping, etc—Nov. 1, Treas. Dept. Wash., D. C., water service piping, etc., at U. S. Pub. Health Serv. Hospital 2, Broadview, here. J. A. Wetmore, acting superv. archt.

Mo., St. Louis—Vessel—Nov. 15, Office Secretary, Mississippi River Comn., 1311 International Life Bldg., motor vessel; adv. this issue.

Okla., Tahlequah—Mess Hall—Nov. 3, Dept. Interior, Office of Indian Affairs, Wash., D. C., mess hall, at Cherokee Orphan Training School, here. C. H. Burke, comr.

N. M., Ft. Bayard—Mechanical Equipment—Nov. 3, Treas. Dept., Wash., D. C., mechanical equipment for infirmary, central heating plant, power plant and outside service, at U. S. Pub. Health Serv. Hospital 55, here. J. A. Wetmore, acting superv. archt.

Ariz., Prescott—Millwork and Glazing—Oct. 27, Treas. Dept., Wash., D. C., in office H. G. Richey, supt. of constr., here, millwork and glazing new ambulant patients' mess hall, etc., nurses' quarters alterations, mess hall extension for refrigeration plant, laundry and boiler house extensions and alterations for N. P. Ward Post Exchange, U. S. Public Health Service Hospital, Whipple Barracks, here. J. A. Wetmore, acting superv. archt.

BIDS RECEIVED

D. C., Anacostia—Storehouse—Spec. 4516—Bureau Yards & Docks, Navy Dept., Wash., D. C., storehouse for pigeon supplies, Naval Air Station, here, from W. E. Mooney, 605 Evans Bldg., Wash., $2,342 (30 days); A. H. Rogers, 616 Colorado Bldg., Wash., $2,490 (30 days); H. S. Hatton Constr. Co., 1218 Randolph St., N.E., Wash., $3,077 (30 days). Noted Sept. 29.

Va., Quantico—Water Main—Spec. 4513 — Bureau Yards & Docks, Navy Dept., Wash., D. C., extending c.i. mains, here (1) work complete, from Pittsburgh-Des Moines Steel Co., 959 Munsey Bldg., Wash., D. C., (1) $8,513 (60 days), (2) $2, (3) $1.75, (4) $40; Wingo & Deaner, P. O. Box 816, Richmond. (1) $8,900 (60 days), (2) add $165, deduct $1.15, (3) $2.50, (4) $60; Claiborne & Taylor, Richmond Trust Bldg., Richmond. (1) $9,495, (2) $1.73, (3) $1, (4) $80. Noted Sept. 29.

Ill., Chicago—Roads and Walks—Treas. Dept., Wash., D. C., roads and walks, at U. S. Public Health Service Hospital, Broadview, here, from Warner Constr. Co., Chicago, (a) $89,584, (b) $47,853; J. A. Sackley Co., 133 West Washington St., (a) $121,832; Commonwealth Impvt. Co., 179 West Washington St., (a) $110,000, (b) $35,736.

Tex., Port Arthur—Operating Building—Spec. 4511—Bureau Yards & Docks, Navy Dept., Wash., D. C., operating building at Naval Radio Station, here, (1) work complete, from W. F. Martins, 53 Franklin St., Rochester, N. Y., (1) $4,725 (120 days), (2) add $200 (10 days); H. W. McCord, 439 Proctor St., (1) $4,850 (120 days), (2) $250 (10 days); King Lumber Co., Charlottesville, Va., (1) $6,743 (120 days). Noted Sept. 29.

CONTRACTS AWARDED

N. J., Lake Denmark—Power Plant Improvements—Spec. 4501—Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant improvements and fire protection system, here, to Lord Constr. Co., 105 West 40th St., New York, $28,384 (125 days). Noted Oct. 6.

Md., Indian Head—Waterproofing Cooling Pond—Spec. 4428—Bureau Yards & Docks, Navy Dept., Wash., D. C., drainage, grading and waterproofing pond, here, to S. J. Smith, 11 East Lexington Ave., Baltimore, $1,340 (100 days). Noted Oct. 13.

La., Milliken Bend—Levee Work—Third Mississippi River Dist., Vicksburg, Miss., levee work Upper Tensas Levee Dist., here, to Clark, Denison & Co., Natchez, Miss., $23,870.

La., New Orleans — Levee — Mississippi River Comn., 4th Dist., levee work, Lake Borge Levee Dist., to A. A. Buras, Boothville, $3,445.

Ill., Rock Island—Lock Gates and Valves—U. S. Engineer, lock gates and valves for Rock Island Rapids, le Claire Canal Lock, here. Lot A, to Penn Bridge Co., Beaver Falls, Pa., $18,373; Lot B, Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh Pa., $3,892. Noted Sept. 15.

Miscellaneous

PROPOSED WORK

Harbor Terminal—New Haven, Conn.—Harbor Terminal Comn. plans harbor terminal, consisting of several piers, wharves and dock warehouses, steel and concrete. $4,000,000. E. S. Nettleton, city engr. H. McL. Harding, Grand Terminal, New York, associated engr. Noted Jan. 6.

Grain Elevator, etc.—Buffalo, N. Y.—Amer. Grain & Feed Corp., 303 Chamber of Commerce, having plans prepared 2 elevators, grain drier, flour mill, feed mill and warehouse. $400,000. L. R. Veatch, 528 Pratt St., engr.

Track Elevation, etc.—Durham, N. C.—City having surveys made and plans prepared elevation of tracks, constructing underpasses and new depot, removal of

Miscellaneous (Continued)

yards. $500,000. F. T. Miller, Greensboro, engr.

Lighting Extensions—Cleveland, O.—Plans Whiteway lighting extensions at East 105th St. and Euclid Ave., Bway. from East 37th St. to Miles Ave. and Superior and Payne Aves. $182,000. C. G. Beckwith, City Hall, engr.

Elimination of Grade Crossings—Lakewood (Cleveland, P. O.), O.—City and New York Central R.R. plan elimination of grade crossing on Highland Ave. $360,000. E. A. Fischer, city engr.

Dry Dock—Burrard Inlet, B. C.—Burrard Wharf Co. Ltd., 525 Seymour St., Vancouver, plans dry dock, here, $2,500,000. J. Coughlan, Front and Columbia Sts., and A. Wallace, 850 Hastings St. W., Vancouver, interested.

BIDS DESIRED

Crane—New Haven, Conn.—Bd. Contr. & Supply receiving bids locomotive unloading crane for new dock.

Binder Stone, etc.—New York, N. Y.—Oct. 24, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., 2,000 cu.yd. binder stone, 300 ton asphaltic cement, 300 ton limestone dust or other suitable inorganic dust.

Lamp Posts—North Bergen (Weehawken, P. O.), N. J.—Oct. 26, by Hudson Co. (Jersey City) Blvd. Comn. 135 lamp posts for Hudson Blvd., here. $15,000. Noted Aug. 25.

Asphalt Cement, etc—Nashville, Tenn.—Oct. 25, by S. H. McKay, secy. Bd. Pub. Wks., 400 ton asphalt cement, 1 tank car road oil, and 2 car tanks fuel oil. W. Southgate, City Hall, engr.

Stadium—Chicago, Ill.—Nov. 30, South Park Comrs., 57th St. and Cottage Grove Ave., concrete and stone, on Lake Front, between Roosevelt Rd. and 16th St. J. F. Neil, secy.; adv. this issue. Noted Aug. 18.

Coal and Ash Handling Machinery and Equipment—Milwaukee, Wis.—Nov. 11, by Sewerage Comn., coal and ash handling machinery and equipment for building on Jones Island. J. F. Fowles, secy.; adv. this issue.

Pipe Line, etc.—Okemah, Okla.—Oct. 25, 21 mi. gas pipe line, and 4 regulator stations. $90,000. V. V. Long & Co., Colcord Bldg., Oklahoma City; engrs.

Roller, etc.—Austin, Tex.—W. E. Dozier, 230 Austin Natl. Bank Bldg., receiving bids 8 or 10 ton tandem roller, asphalt plant, electric motors, upright boilers, conveyors, concrete mixer, etc.

Wharf and Transit Shed—Houston, Tex.—Oct. 24, by City Secretary, concrete wharf and transit shed. $250,000. J. C. McVea, City Hall, engr.

Road Machinery—Odessa, Tex.—Ector Co. receiving bids excavating and conveying machinery to load gravel at pit and unload from cars, graders, scrapers, scarifiers, drags, tractors, steam shovels, rock crushers, culverts and road forms. Address J. T. Cross, co. judge.

RECEIVED BIDS

Binder Stone, etc., Brooklyn, N. Y.—E. Riegelmann, boro. pres. (1) 1,500 cu.yd. binder stone, (2) 2,800 cu.yd. asphalt sand, (3) 940 net tons of limestone or other suitable inorganic dust, (4) 1,500 bbl. Portland cement, (5) 25,000 grade 1 granite paving blocks, (6a) 1,200 cu.yd. 1½ in. gravel, (1b) 1,200 cu.yd. 1½ in. broken stone, (7) 1,500 cu.yd. paving sand, from Calvin Tomkins Co., 30 Church St., New York., (1) $2.19 per cu.yd.; New York Trap Rock Corp., 101 Park Ave., New York, (1) $2.23, (3) $8.40; Hygrade Builders Supply Co., 6th St. and 2nd Ave., (1) $2.29, (2) $1.39, (4) $2.87, (6a) $2.64, (7) $1.29; E. J. Woodworth, 245-81st St. (2) $1.50; J. J. Guinan Contg. Co., 2314 Gravesend Ave. (2)$1.61, (6b) $2.80; E. Meyer Co., (3) $7.35; M. M. Canda, 184-3rd St., (4) $2.75; S. D. Duffy, (4) $3.09; J. Leopold & Co., Inc., 233 Bway., New York, (5) $130 per m; J. Meehan & Son, 74 Cortlandt St., New York, $134.75; B. Turecano Contg. Co., 8706 Bay 12th St., (6b) $2.72, $3,264; Washington Buckley, Inc., 666 Kent Ave., (6b) $2.95; Connors Bros., (7) $1.40; Eastern Contrs. Supply Co., 373 Fulton St., (7) $1.49. Incorrectly noted Oct. 6 under "New York."

Dock Wall, etc.—Buffalo, N. Y.—Pub. Wks. Comn., Municipal Bldg., (1) dock wall in Sect. 2 Buffalo Harbor, (2) dock wall and channel improvement in Buffalo River west of Ohio St. Bridge, from Great Lakes Dredge & Dock Co., D.S. Morgan Bldg., (1) $149,500, (2) $146,800; Cleveland Eng. & Constr. Co., 778 The Arcade, Cleveland, (1) $153,500, (2) $112,000; Dunbar & Sullivan, Iroquois Bldg., (1) $191,000, (2) $150,500 Noted Sept. 29.

Heating and Ventilating Apparatus, etc.—New York, N. Y.—Dept. Educ., 500 Park Ave., heating and ventilating apparatus in P. S. 26, Andres, West Burnside and University Aves., from E. Rutzler Co., 404 East 49th St., $49,983, W. J. Olvany, 100 Charles St., $50,673, Raisler Heating Co., 129 Amsterdam Ave., $50,960; temperature regulation apparatus, etc., from Bishop & Babcock, 376 Lafayette St., $3,550, Natl. Regulator Co., 166 Lexington Ave., $3,600.

Tunnel—Seattle, Wash.—Bd. Pub. Wks., tunnel for Gorge Creek Plant of Skagit River development, from R. C. Storrie & Co., Crocker Bldg., San Francisco, Cal., $2,203,865; Puget Sound Bridge & Dredging Co., Central Bldg., $2,332,571; Grant Smith Co., Henry Bldg., $2,476,840. Noted Oct. 6.

CONTRACTS AWARDED

Breakwater—Chicago, Ill.—South Park Comrs., 47th and Cottage Aves., tile breakwater from Jackson Park to 51st St., to Central Dredging & Dock Co., Bangor Bldg., Cleveland, O., $600,000.

Greenhouses—Pana, Ill.—W. Amling Co. will build seven 1 story, brick, steel and glass, by day labor. $250,000.

Power Transmission Line — Janesville, Wis.—Janesville Electric Co., 26 West Milwaukee St., 17 mi. power transmission line from here to Footville and Oxfordville, by day labor. W. R. Schmidley, c/o owner, engr.

Foundations—Bozeman, Mont.—State Bd. Examiners, Helena, foundation for (1) engineering building, (2) biology building, at College of Agriculture and Mechanic Arts, here, to F. Swanstrom, Great Falls, (1) $11,000; Jarl & Lasker, Great Falls, (2) $18,900. Noted Aug. 25.

Asphalt—St. Paul, Minn.—For 101 ton asphalt for paving Jefferson Ave. from Snelling Ave. to Fredericks St., to Roxanna Petroleum Co., 208 South Harrison St., Chicago, $20.50 per ton tank cars. Noted Sept. 29.

Fiber Paving Bricks—St. Paul, Minn.—For 60,000 fiber paving bricks for repaving Wabasha St. Bridge, to Streater Clay Mfg. Co., 713 Guardian Life Bldg., $2,424. Noted Sept. 22.

OFFICIAL PROPOSALS

Bids: Nov. 1

Tunnel Construction

River Rouge, Mich.

Sealed proposels for the construction of a tunnel under River Rouge at Jefferson Avenue, Village of River Rouge, Wayne County, Mich., will be received by the Village of River Rouge, Michigan, at the office of the undersigned George Jerome, Village Engineer, 1329-31-32 Majestic Building, Detroit, Michigan, up to and including Tuesday, November 1st, 1921, at six o'clock p.m. Which bids will be publicly opened by the Council of the Village of River Rouge, Mich., at the Municipal Building, No. 9 South Dearborn Avenue, at eight o'clock p.m. on November 1st, 1921.

The tunnel will be 13 feet, inside diameter; 350 feet long.

Its average depth below water level will be about 50 feet.

The work will also include the construction of the vertical shafts at each end of the tunnel and the laying of certain water mains through the tunnel, etc.

Plans, specifications, forms of proposals, etc., can be secured at the Village Engineer's office as above stated upon depositing the sum of Five Dollars.

A certified check in the amount of $7,000.00, made payable to the Treasurer of the Village of River Rouge, must accompany each bid. The right to reject any and all bids is expressly reserved by the Village, also to waive any formal defects in the bids when deemed for the best interest of the Village.

GEORGE JEROME,
Village Engineer.
1329-31-32 Majestic Bldg.
Detroit, Mich.

Dated October 4th, 1921.

Bids: Oct. 27.

Pumping Plant

Pike County, Ill.

Sealed bids will be received by the Commissioners of the Valley City Drainage and Levee District, Pike County, Illinois, in the office of the Commissioners at Naples, Illinois, until October 27th, 1921, 2:00 p.m., for the construction of a pumping plant in said district, consisting of two centrifugal pumps of about 40,000 gallons per minute capacity, together with fuel oil engines, building and necessary appurtenances, according to the plans and specifications on file with the Board of Commissioners of said district.

Bids will be received upon all or any part of the work. The commissioners reserve the right to reject any and all bids and re-advertise the letting of the work.

Each person bidding on the work shall deposit a proposal bond or a certified check for ten (10) per cent of the amount of his bid.

Payments for the work will be based on monthly estimates, ten (10) per cent being retained until the work is finally accepted.

Special facilities for seeing the work will be provided upon request to the Edmund T. Perkins Engineering Company, 1210, 38 South Dearborn Street, Chicago, Illinois.

Plans and specifications will be furnished by the Edmund T. Perkins Engineering Company upon the deposit of $5.00, which deposit will be refunded upon return of the plans and specifications in good order within ten (10) days after the awarding of contract.

WM. SEVERNS, Chairman.
THOMAS MEEHAN, Commissioner,
HARRY G. EDWARDS, Commissioner.

Bids: Nov. 15.

Bridge Work

Oklahoma City, Okla.

Notice to contractors: sealed proposals will be received at the office of the State Engineer until 2 p.m., Nov. 15, 1921, for the construction of four (4) bridges with approaches. These bridges are in Muskogee County, known as K. O. & G., Frisco, Webbers Falls and Whitefield Ferry, known as Federal Aid Project No. 51 and 52.

Approximate quantities are as follows: structural steel, 2,500 tons, reinforcing rods, 210 tons, reinforced concrete piles, 1,750 lin.ft. concrete substructure, 8,000 cu.yd., roadway concrete, 1,730 cu.yd. surfacing either asphalt or wood blocks, 9,100 sq.yd. grading, 48,000 cu.yd.

Bids will be considered separately on substructure, superstructure, surfacing and grading for each bridge or on each bridge complete.

Plans may be examined at the office of the State Engineer or at the County Clerk's office at the county seat. Forms of proposal, contracts and specifications may be secured only at the office of the State Engineer. Plans may be furnished complete for $8.25 or 25c. per sheet.

Bids must be on proposal forms furnished by the State Highway Department and accompanied by certified check of 10% of this bid. No proposal bond or "Bidders Bond" will be accepted.

Bidders must submit a financial statement and furnish evidence that they have satisfactorily constructed similar structures.

Detailed instructions to bidders will be found on pages 4 to 8 inclusive of specifications.

B. E. CLARK,
Commissioner of Highways.
ERNEST S. ALDERMAN,
State Engineer.